

Лабораторные химикаты

Технические характеристики

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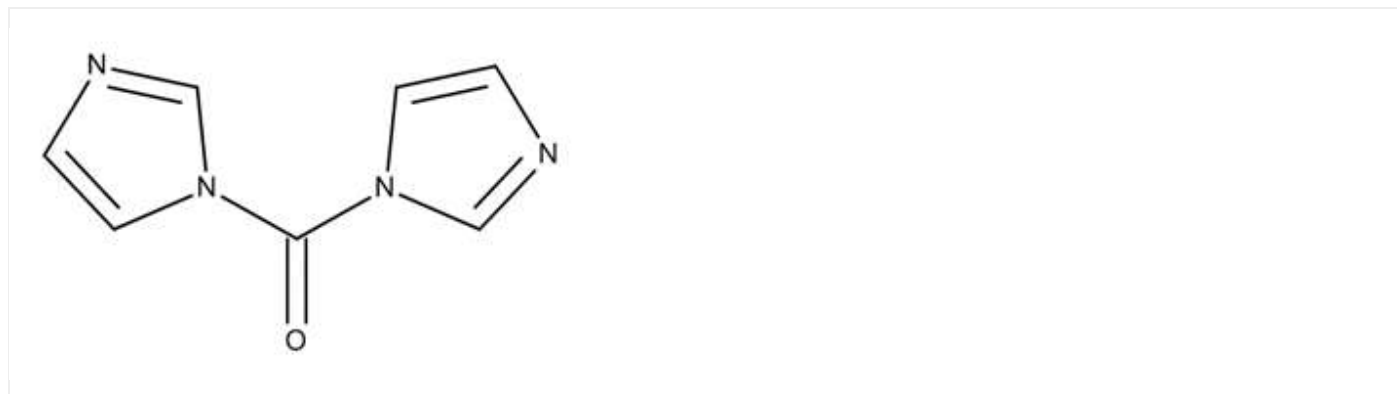
Киргизия +996(312)96-26-47

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1,1'-CARBONYLDIMIDAZOLE (CDI) 98% FOR SYNTHESIS

(N,N-Carbonyldimidazole)

Product Code.	00687	Grade	For Synthesis
Purity	98%	CAS No.	530-62-1
Molecular Formula	C7H6N4O	Molecular Weight	162.15
H.S.Code	2933.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	pH value	7.7 at 50 g/l
Solubility in water [% weight]	Insoluble in water				

Specification

Appearance	White to off white or Cream Color Powder/Crystals/Chunks
Assay (by HClO ₄ titration)	Min 98.0%
Melting range	116 - 120°C
Identity (IR)	Passes test

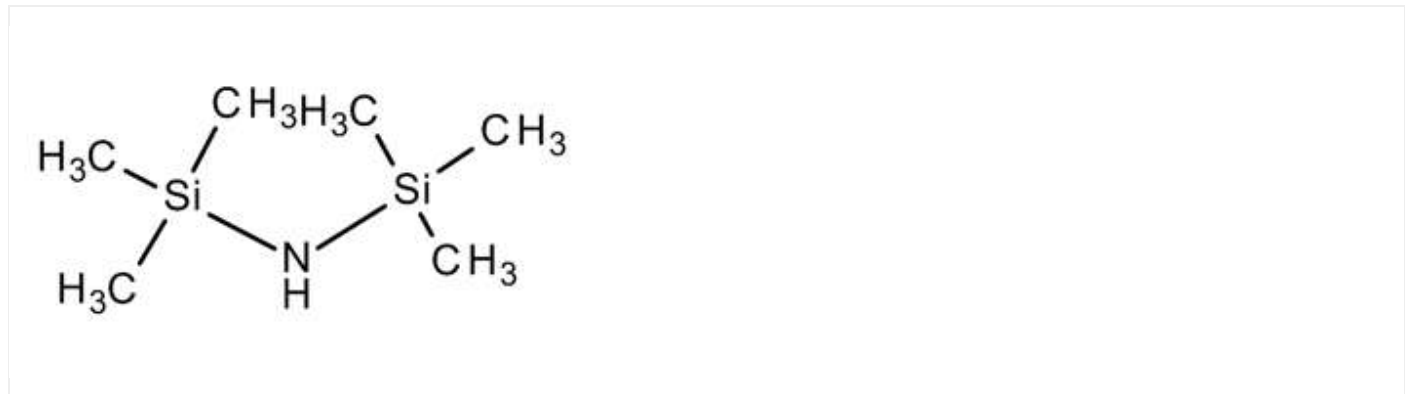
Safety Information and Hazard Symbols

Symbol: GHS05, GHS07 Signal Word: Danger UN No.: 3263 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H302-H314 Precaution Statement: P280-P305 + P351 + P338-P310

1,1,1,3,3,3-HEXAMETHYLDISILAZANE 98% FOR SYNTHESIS

HMDS, Bis-(trimethylsilyl) amine ; 1,1,1,3,3,3-HEXAMETHYL DISILAZANE

Product Code.	01342	Grade	For Synthesis
Purity	98%	CAS No.	999-97-3
Molecular Formula	C6H19NSi2	Molecular Weight	161.41
H.S.Code	2931.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ammonia odour
pH value	8.5	Melting point/ Freezing point [°C]	-80 °C	Auto-ignition temperature [°C]	380°C
Flammability (solid, gas)	Flammable	Flash point [°C]	11 °C	Boiling point [°C]	125 °C
Evaporation rate	< 1	Vapour pressure [20°C]	20 hPa at 20°C	Vapour density	4.6
Density [g/cm3]	0.77	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.62
Explosion limits - upper [%]	16.30%	Explosion limits -lower [%]	0.80%		

Packaging

Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 98.0%
Density (d20°C/4°C)	0.774 - 0.775 g/ml

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS06

Signal Word: Danger

UN No.: 3286

IMCO Class No.: 3,6.1,8

Packing Group: II

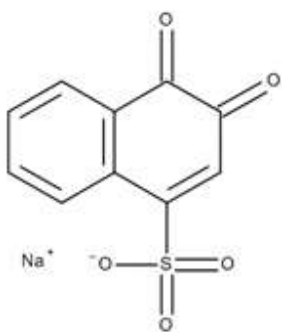
Hazardous Statement: H225-H302-H311-H314-H331-H412

Precaution Statement: P210-P261-P273-P280-P305 + P351 + P338-P310

1,2-NAPHTHOQUINONE-4 SULPHONIC ACID SODIUM SALT 97% AR

(For determination of amines and amino acid) Sodium 1,2-naphthoquinone-4-sulphonate

Product Code.	01784	Grade	
Purity	97%	CAS No.	521-24-4
Molecular Formula	C ₁₀ H ₅ NaO ₅ S	Molecular Weight	260.20
H.S.Code	2914.79900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish yellow	Odour	Odorless
Melting point/ Freezing point [°C]	289 °C	Solubility in water [% weight]	45 g/l (20°C)		

Specification

Appearance	Brownish yellow powder
Assay	Min 97%
Sulphate (SO ₄)	Max 0.05%
Total nitrogen (N)	Max 0.05%
Loss on drying (at 105°C)	Max 1%
Suitability (for detection of amino acid)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

1,4-DIAZABICYCLO (2.2.2) OCTANE 98 FOR SYNTHESIS

Store at 2-8°C DABCO, TED, Triethylenediamine

Product Code.	00951	Grade	
Purity	98%	CAS No.	280-57-9
Molecular Formula	C6H12N2	Molecular Weight	112.17
H.S.Code	2933.59900	Shelf Life	60 Months



Specification

Appearance	Hygroscopic, White to light yellow crystals, crystalline powder, granular powder and/or chunks
Assay (GC) (Not corrected for water content)	Min 98.0%
Water (by KF)	Max 1.0%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1325

IMCO Class No.: 4.1

Packing Group: II

Hazardous Statement: H228-H302-H315-H319-H335-H412

Precaution Statement: P210-P261-P273-P305 + P351 + P338

1- ACETONAPHTHONE

1-Acetylnaphthalene ; Methyl-1-naphtyl ketone ; Liquid, d. 1.12

Product Code.	00026	Grade	
Purity	Min. 97.5%	CAS No.	941-98-0
Molecular Formula	C12H10O	Molecular Weight	170.21
H.S.Code	29143990.00000	Shelf Life	60 Months

Physical Properties

Physical state at 20 C	Liquid	Color	Light Yellow	Melting Point / Freezing Point [C]	10.5
Flash Point [C]	113	Initial boiling Point [C]	302	Density [g/cm3]	1.12

Packaging



Specification

Appearance	Yellow to pale yellow clear liquid
Identification	Confirm to standard
Assay (GC)	Min 97.5%

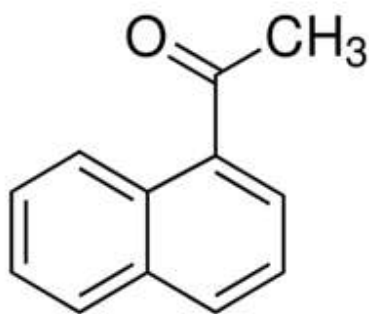
Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word :Warning Hazard Statement: H302-H315-H319-H335 Precaution Statement: P261-P305+P351+P338

1-ACETYL NAPHTHALENE 97.5% FOR SYNTHESIS

1-Acetonaphthone; Methyl 1-naphthyl ketone

Product Code.	00049	Grade	
Purity	97.5%	CAS No.	941-98-0
Molecular Formula	C ₁₂ H ₁₀ O	Molecular Weight	170.21
H.S.Code	2914.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Light Yellow	Melting point/ Freezing point [°C]	10.5
Flash point [°C]	113	Initial boiling point [°C]	302	Density [g/cm ³]	1.12

Packaging



Specification

Appearance	Yellow to pale yellow clear liquid
Identification	Confirm to standard
Assay (by GC)	Min 97.5%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

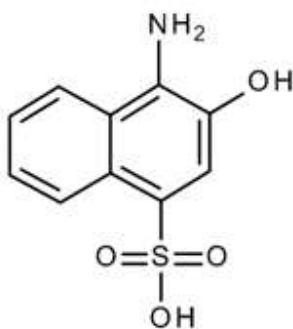
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

1-AMINO-2-NAPHTHOL- 4-SULPHONIC ACID 98% AR

For determination of phosphate 4-Amino-3-hydroxy-1-napththalenesulfonic acid

Product Code.	00163	Grade	
Purity	Min. 98%	CAS No.	116-63-2
Molecular Formula	C10H9NO4S	Molecular Weight	239.25
H.S.Code	2922.21300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pale violet	Melting point/ Freezing point [°C]	295 °C
Solubility in water [% weight]	Slightly soluble in water				

Packaging



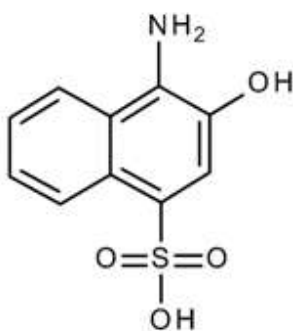
Specification

Appearance	Pale violet coloured powder
Assay	Min 98%
Sulphated ash	Max 0.5%
Chloride (Cl)	Max 0.01%
Sensitivity for phosphate	Passes test

1-AMINO-2-NAPHTHOL-4-SULPHONIC ACID 95% EXTRAPURE

4-Amino-3-hydroxy-1-naphthalenesulphonic acid

Product Code.	00162	Grade	
Purity	Min. 95%	CAS No.	116-63-2
Molecular Formula	C ₁₀ H ₉ NO ₄ S	Molecular Weight	239.25
H.S.Code	2922.21300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pale violet	Melting point/ Freezing point [°C]	295 °C
Solubility in water [% weight]	Slightly soluble in water				

Packaging



Specification

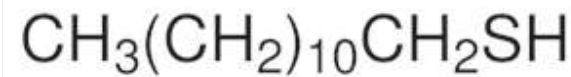
Appearance	Pale violet coloured powder
Assay	Min. 95%

Safety Information and Hazard Symbols

1-DODECANETHIOL 98% EXTRAPURE

Dodecyl mercaptan, Lauryl mercaptan

Product Code.	01090	Grade	Extrapure
Purity	98%	CAS No.	112-55-0
Molecular Formula	CH3(CH2)11SH	Molecular Weight	202.40
H.S.Code	2930.90700	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Stench
Melting point/ Freezing point [°C]	-7 °C	Auto-ignition temperature [°C]	230 °C	Flash point [°C]	120 °C
Boiling point [°C]	266 - 283 °C	Initial boiling point [°C]	266°C	Final boiling point [°C]	283 °C
Vapour pressure mm/Hg	2.5 mm Hg @ 25°C	Vapour density	6.99	Density [g/cm3]	0.845
Solubility in water [% weight]	Immiscible	Partition coefficient Log Pow octanol / water at 20°C	> 6.5		

Packaging

Specification

Appearance	Colorless liquid
Purity (by GC)	Min 98.0%
Density (at 25°C)	0.844 - 0.846 g/mL

Safety Information and Hazard Symbols



Symbol: GHS05, GHS09

Signal Word: Danger

UN No.: 1760

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H314-H410

Precaution Statement: P273-P280-P305 + P351 + P338-P310-P501

1-METHYLIMIDAZOLE 99% FOR SYNTHESIS

Product Code.	1731A	Grade	For Synthesis
Purity	99%	CAS No.	616-47-7
Molecular Formula	C 4 H 6 N 2	Molecular Weight	82.10
H.S.Code	2933.29900	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless	pH value	9.5 - 11.5 at 100 g/l at20 °C
Melting point/ Freezing point[°C]	-6°C	Auto-ignition temperature [°C]	488°C at at 1.013 -1.019 hPa	Flash point [°C]	92°C
Boiling point [°C]	198°C	Vapour pressure mm/Hg	0.4 mmHg at 20 °C	Relative density, liquid(water=1)	1.03 g/mL at 25 °C
Partition coefficient Log Powoctanol / water at 20°C	log Pow: -0.189 at 25°C	Explosion limits - upper [%]	15.7 %(V)	Explosion limits -lower [%]	2.7%(V)

Specification

Appearance	Clear colorless to yellow liquid
Purity (by GC)	Min 99.0%
Identity (IR)	Passes test
Density (d20°C/4°C)	1.034 - 1.036 g/ml

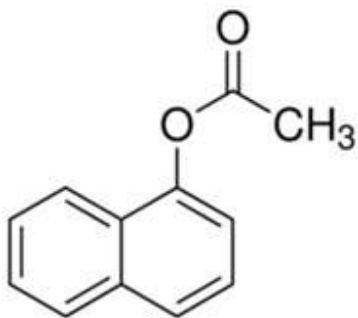
Safety Information and Hazard Symbols

 
Symbol: GHS05, GHS06 Signal Word: Danger UN No.: 3267 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H302-H311-H314 Precaution Statement: P280-P301 + P312 + P330-P303 + P361 + P353-P304 + P340+ P310-P305 + P351 + P338

1-NAPHTHYLACETATE 99.5% AR

Naphthol free substrate for esterase activity. Store in refrigerator. a-Naphthyl acetate

Product Code.	01787	Grade	
Purity	99.5%	CAS No.	830-81-9
Molecular Formula	C12H10O2	Molecular Weight	186.21
H.S.Code	2918.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Odorless
Melting point/ Freezing point [°C]	43 - 46 °C	Flash point [°C]	113 °C		

Specification

Appearance	White to light yellow to light pink crystalline powder or crystals
Assay	Min 99.5%
Melting point	44 - 49°C
1-Naphthalene	Max 0.1%

Safety Information and Hazard Symbols

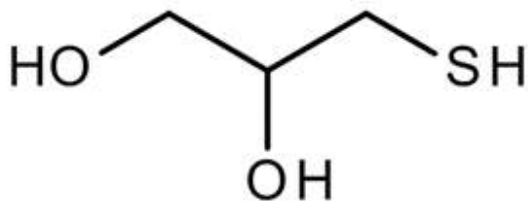


Symbol: GHS05
Signal Word: Danger
Hazardous Statement: H318
Precaution Statement: P280-P305 + P351 + P338

1-THIOGLYCEROL 90% AR

a-Monothioglycerol, a-Thioglycerol, 3-Mercapto-1,2-propanediol 1-thioglycerol

Product Code.	01766	Grade	
Purity	90%	CAS No.	96-27-5
Molecular Formula	C3H8O2S	Molecular Weight	108.16
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless	Odour	Stench odour
Flash point [°C]	113 °C	Boiling point [°C]	118 °C	Density [g/cm3]	1.247
Solubility in water [% weight]	Slightly soluble in water				

Specification

Appearance	Colourless liquid
Assay (iodometric)	Min 90%
Identity (IR)	Conforms

Safety Information and Hazard Symbols

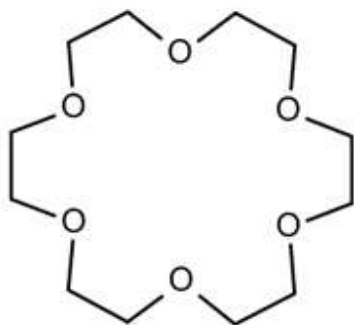


Symbol: GHS06
Signal Word: Danger
UN No.: 2810
IMCO Class No.: 6.1
Packing Group: III
Hazardous Statement: H302-H311-H315-H319-H335
Precaution Statement: P261-P280-P305 + P351 + P338-P312

18-CROWN-6-ETHER 98% FOR SYNTHESIS

Phase transfer catalyst. 1,4,7,10,13,16-Hexaoxacyclooctadecane ; (Phase Transfer Catalyst Complexing Agent)

Product Code.	00897	Grade	
Purity	98%	CAS No.	17455-13-9
Molecular Formula	C12H24O6	Molecular Weight	264.32
H.S.Code	2932.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White	Melting point/ Freezing point [°C]	42 - 45 °C
Flash point [°C]	113 °C				

Specification

Appearance	White powder or crystals or chunks
Assay (GC area %)	Min 98%
Melting range	36 - 40°C

Safety Information and Hazard Symbols

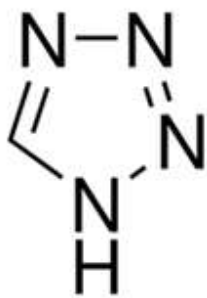


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302-H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

1H-TETRAZOLE 99% FOR DNA SYNTHESIS (AMIDITE ACTIVATOR)

AMIDITE ACTIVATOR Store at 2-8°C

Product Code.	02669	Grade	
Purity	99%	CAS No.	288-94-8
Molecular Formula	CH2N4	Molecular Weight	70.05
H.S.Code	3822.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White	Melting point/ Freezing point [°C]	157 - 158°C
Decomposition point [°C]	220°C	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	White to off white crystalline powder
Assay	Min 99%
Melting range	155 - 157 deg C

Safety Information and Hazard Symbols



Symbol: GHS06, GHS05

Signal Word: Danger

UN No.: 1835

IMCO Class No.: 8

Packing Group: II

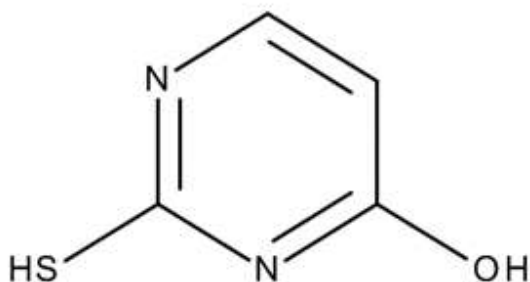
Risk Statement: 11-23/24/25

Safety Statement: 16-27/36/37-45

2 -THIOURACIL 98% FOR SYNTHESIS

4-Hydroxy-2-mercaptopyrimidine

Product Code.	02688	Grade	
Purity	98%	CAS No.	141-90-2
Molecular Formula	C4H4N2OS	Molecular Weight	128.15
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Slight musty
Melting point/ Freezing point [°C]	> 300 °C	Decomposition point [°C]	300 °C	Auto-ignition temperature [°C]	570 °C
Solubility in water [% weight]	Negligible (< 0.1%)				

Specification

Appearance	White to light yellow powder
Assay	Min 98%

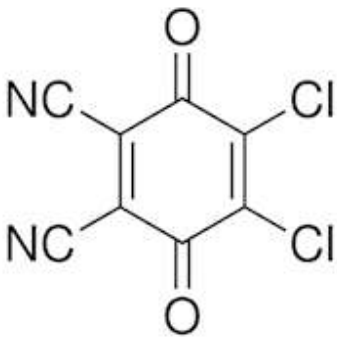
Safety Information and Hazard Symbols



Symbol: GHS08
Signal Word: Warning
Hazardous Statement: H351
Precaution Statement: P281

2, 3-DICHLORO-5, 6-DICYANO-P-BENZOQUINONE (FOR SYNTHESIS)
DDQ

Product Code.	00966	Grade	
Purity	98%	CAS No.	84-58-2
Molecular Formula	C8Cl2N2O2	Molecular Weight	227.00
H.S.Code	2926.90000	Shelf Life	60 Months



Physical Properties

Packaging

Specification

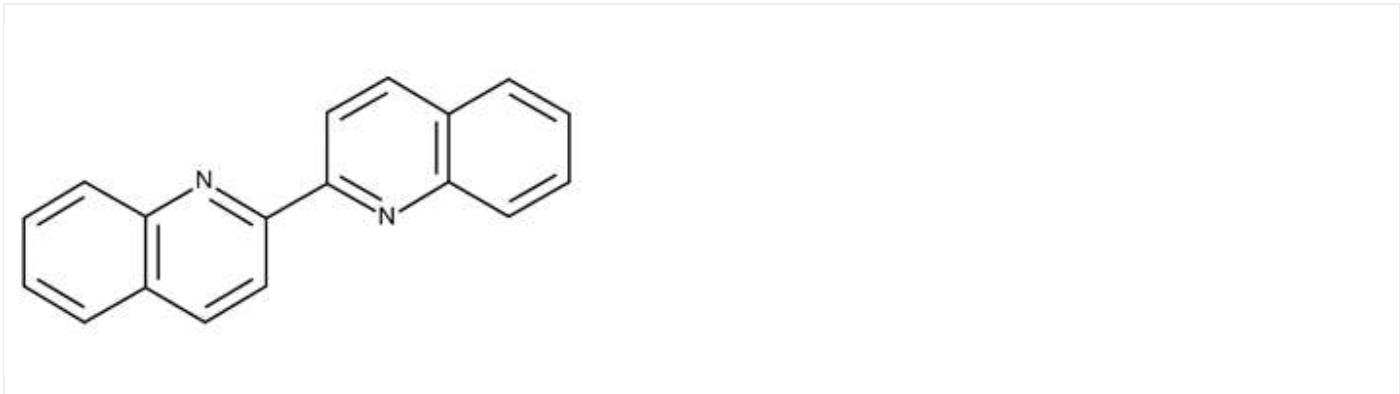
Appearance	Yellow to Orange powder
Assay	MIn 98.0%

Safety Information and Hazard Symbols

Symbol: GHS06 Signal Word: Danger UN No.: 3439 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301 Precaution Statement: P301 + P310

2,2'-BIQUINOLINE 99% AR
2,2-Diquinolyl

Product Code.	00419	Grade	
Purity	98%	CAS No.	119-91-5
Molecular Formula	C18H12N2	Molecular Weight	256.31
H.S.Code	2933.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White flakes	Melting point/ Freezing point [°C]	192 - 195 °C
Solubility in water [% weight]	0.001 g/l at 25 °C				

Packaging



Specification

Appearance	A white shining flakes
Sensitivity for Cu	1:1000000
Assay	Min 98%
Sulphated ash	Max 0.05%

Copper (Cu)

Max 0.0002%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

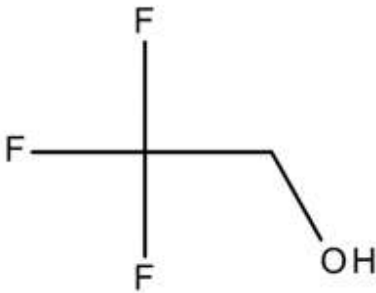
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

2,2,2-TRIFLUOROETHANOL 99% FOR SYNTHESIS

bbb-Trifluoroethyl Alcohol

Product Code.	02768	Grade	For Synthesis
Purity	99%	CAS No.	75-89-8
Molecular Formula	CF3CH2OH	Molecular Weight	100.04
H.S.Code	2905.59000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Alcoholic odour
pH value	5-7 (10% aq soln)	Melting point/ Freezing point [°C]	-44 °C	Auto-ignition temperature [°C]	480 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	29 °C	Boiling point [°C]	73 - 75 °C
Initial boiling point [°C]	73°C	Final boiling point [°C]	75 °C	Vapour pressure [20°C]	93 hPa at 20 °C
Vapour density	3.45	Density [g/cm3]	1.39	Solubility in water [% weight]	Soluble in water
Viscosity at 40°C [mm2/s]	1.75 cP @ 20°C	Explosion limits - upper [%]	42%	Explosion limits -lower [%]	5.50%

Packaging

Specification

Appearance	A clear, colourless liquid
Purity (by GC)	Min 99.0%

Density (d20°C/4°C)	1.389 - 1.391 g/ml
Water (by KF)	Max 0.2%
Identity (IR)	Passes test

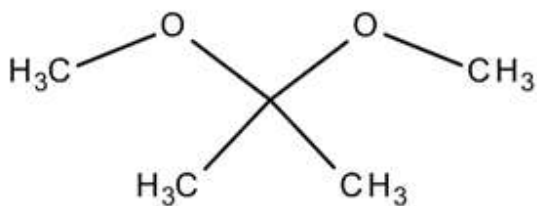
Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS06 Signal Word: Danger UN No.: 1986 IMCO Class No.: 3, 6.1 Packing Group: III Hazardous Statement: H226-H301-H312-H315-H318-H331-H335 Precaution Statement: P261-P280-P301 + P310-P305 + P351 + P338-P311

2,2-DIMETHOXY PROPANE 97% FOR SYNTHESIS

Acetone dimethyl acetal

Product Code.	01020	Grade	For Synthesis
Purity	97%	CAS No.	77-76-9
Molecular Formula	C5H12O2	Molecular Weight	104.15
H.S.Code	2911.00100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Flammability (solid, gas)	Flammable
Flash point [°C]	-10 °C	Boiling point [°C]	83 °C	Vapour pressure mm/Hg	80 hPa at 15,80 °C
Density [g/cm3]	0.847	Partition coefficient Log Pow octanol / water at 20°C	1.224	Explosion limits - upper [%]	31%
Explosion limits -lower [%]	6%				

Packaging

Specification

Appearance	A clear, colorless liquid
Purity (by GC)	Min 97.0%
Density (d20°C/4°C)	0.850 - 0.851 g/ml
Identity (IR)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1993

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H319

Precaution Statement: P210-P305 + P351 + P338

2,2-DIMETHYL-1,3-PROPANEDIOL 99%

Product Code.	1798A	Grade	
Purity	99%	CAS No.	126-30-7
Molecular Formula	C5H12O2	Molecular Weight	104.15
H.S.Code	2905.39900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White flakes	Odour	Sweet odour
Melting point/ Freezing point [°C]	124 - 130 °C	Auto-ignition temperature [°C]	399 °C	Flash point [°C]	103 °C
Vapour pressure [20°C]	< 1.1 hPa at 20 °C	Solubility in water [% weight]	830 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	-0.15
Explosion limits - upper [%]	18.80%	Explosion limits -lower [%]	1.37%		

Specification

Appearance (Color)	White
Appearance (Form)	Crystalline chunks
Infrared spectrum	Conforms
Melting point	123°C to 127°C
GC	>=98.5 %
Water	=<0.3 %
Acid value	=<0.1 mg KOH/g

Safety Information and Hazard Symbols


Symbol: GHS05 Signal Word: Danger Hazardous Statement: H318 Precaution Statement: P280-P305 + P351 + P338

2,3-DICHLORO-5,6-DICYANO-1,4-BENZOQUINONE, 98%

Product Code.	0966A	Grade	
Purity	98%	CAS No.	84-58-2
Molecular Formula	C8Cl2N2O2	Molecular Weight	227.01
H.S.Code	2926.90000	Shelf Life	60 Months

Physical Properties

Packaging

Specification

Appearance (Color)	Yellow to orange
Appearance (Form)	Crystalline powder or crystals
Infrared spectrum	Conforms
Melting point	210°C to 217°C
Titration Iodometric	>=97.5 %
Loss on drying	=<0.5 % (1 g, 80°C, 2 h, 40 mmHg) vacuum)
Sulfated ash	=<0.2 % (600°C)

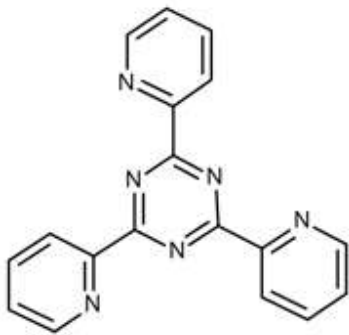
Safety Information and Hazard Symbols


Symbol: GHS06 Signal Word: Danger UN No.: 3439 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301 Precaution Statement: P301 + P310

2,4,6-TRI-(2-PYRIDYL)-1,3,5- TRIAZINE 99% AR

2,4,6-Tri(2-pyridyl)-s-triazine, TPTZ (for the determination of iron in water & serum)

Product Code.	02780	Grade	
Purity	99%	CAS No.	3682-35-7
Molecular Formula	C18H12N6	Molecular Weight	312.34
H.S.Code	2933.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Odorless
Melting point/ Freezing point [°C]	247 - 249 °C				

Packaging

Specification

Appearance	White to light yellow or light beige powder
Assay (on anhydrous basis)	Min 99%
Melting point	245 - 250°C
Water (H2O)	Max 5%
Sulphated ash	Max 0.1%
2-Pyridine-Carbonitrile	Max 0.25%
Iron (Fe)	Max 0.001%

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Danger

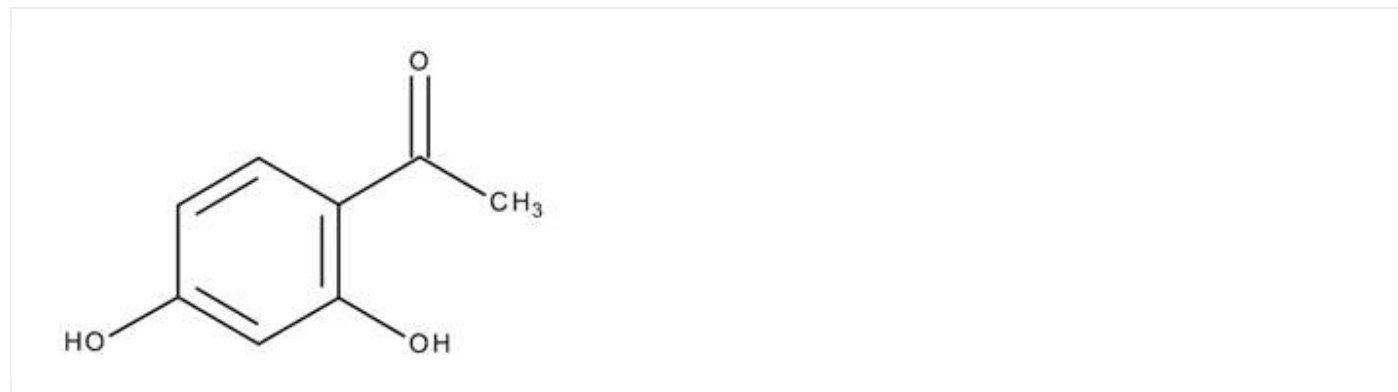
Hazardous Statement: H300-H315-H319-H335

Precaution Statement: P261-P264-P301 + P310-P305 + P351 + P338

2,4-DIHYDROXY ACETOPHENONE 98% FOR SYNTHESIS

Resacetophenone ; 4-Acetylresourcinol

Product Code.	01010	Grade	
Purity	98%	CAS No.	89-84-9
Molecular Formula	C8H8O3	Molecular Weight	152.15
H.S.Code	2914.50000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow	Melting point/ Freezing point [°C]	143 - 144.5 °C
Density [g/cm3]	1.18 g/cm3 at 25 °C				

Specification

Appearance	Brown colored fine crystalline powder.
Assay (GC area %)	Min 98%
Melting range	140 - 143 deg C
Identity (IR)	Passes test

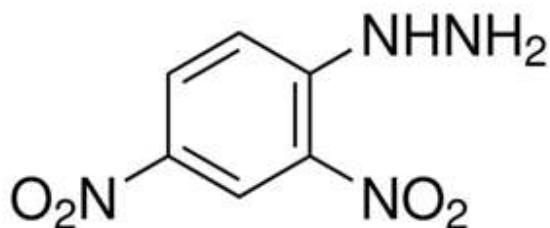
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07 Signal Word: Danger Hazardous Statement: H315-H318-H335 Precaution Statement: P261-P280-P305 + P351 + P338

2,4-DINITROPHENYL HYDRAZINE 97% FOR SYNTHESIS

DNP; DNPH, Brady's reagent

Product Code.	01063	Grade	For Synthesis
Purity	97%	CAS No.	119-26-6
Molecular Formula	C ₆ H ₆ N ₄ O ₄	Molecular Weight	198.14
H.S.Code	2928.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange red crystalline	Melting point/ Freezing point [°C]	197 - 200 °C
Solubility in water [% weight]	Slightly Soluble in water				

Specification

Appearance	Orange red crystalline powder/ Lumps
Purity (by HPLC)	Min 97%
Melting range (after drying)	195 - 200°C
Approx. 33% water is added to ensure safety in transits	

Safety Information and Hazard Symbols

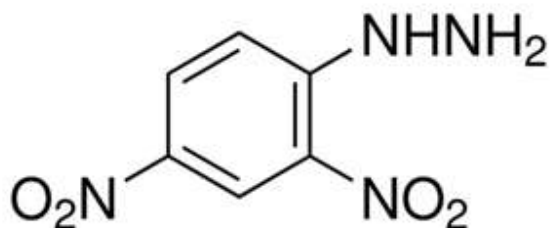


Symbol: GHS02, GHS07
Signal Word: Danger
UN No.: 1325
IMCO Class No.: 4.1
Packing Group: II
Hazardous Statement: H228-H302
Precaution Statement: P210

2,4-DINITROPHENYL HYDRAZINE 98% AR

DNPH, Brady's reagent

Product Code.	01064	Grade	
Purity	98%	CAS No.	119-26-6
Molecular Formula	C6H6N4O4	Molecular Weight	198.14
H.S.Code	2928.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange red crystalline	Melting point/ Freezing point [°C]	197 - 200 °C
Solubility in water [% weight]	Slightly Soluble in water				

Specification

Appearance	Orange red crystalline powder
Assay (HPLC, area%)	Min. 98.0%
Melting range (with decomposition)	197 - 200°C
Approx. 33% water is added to ensure safety in transits	

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07
Signal Word: Danger
UN No.: 1325
IMCO Class No.: 4.1
Packing Group: II
Hazardous Statement: H228-H302
Precaution Statement: P210

2,6-DIBROMOQUINONE-4- CHLORIMIDE 98% AR

Reagent for phenol and phosphates.Store in Refrigerator. May discolor to orange-brown on storage
2,6-Dibromo-N-chloro-p-benzoquinoneimine

Product Code.	00956	Grade	
Purity	98%	CAS No.	537-45-1
Molecular Formula	C6H2Br2ClNO	Molecular Weight	299.35
H.S.Code	2925.19000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow crystalline	Melting point/ Freezing point [°C]	75 °C

Packaging

Specification

Appearance	Yellow to ochre-colored crystalline powder
Assay (iodometric)	Min 98%
Melting range	75 - 81 deg C
Suitability (for determination of phenol)	Passes test

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H312-H332 Precaution Statement: P280

2-AMINOPYRIMIDINE (FOR SYNTHESIS)

O-Aminopyrimidine

Product Code.	00171	Grade	
Purity	Min. 97%	CAS No.	109-12-6
Molecular Formula	C4H5N3	Molecular Weight	95.10
H.S.Code	29335995.00000	Shelf Life	

Physical Properties

Packaging



Specification

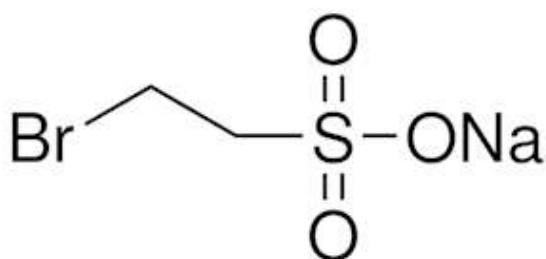
Description	White to yellow powder or crystals
Assay	Min. 97%
M.P.	122-126 °C(lit.)

Safety Information and Hazard Symbols

2-BROMOETHANESULPHONIC ACID SODIUM SALT 98% FOR SYNTHESIS

Sodium 2-bromoethanesulphonate

Product Code.	00502	Grade	
Purity	98%	CAS No.	4263-52-9
Molecular Formula	C ₂ H ₄ BrNaO ₃ S	Molecular Weight	211.01
H.S.Code	2904.20900	Shelf Life	60 Months



Packaging



Specification

Appearance	White Powder
Assay	Min 98.0%
Identity (IR)	Passes test
Solubility (100 mg/mL in water)	Clear Colorless Solution
Loss on drying	Max 0.5%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

2-BUTOXYETHANOL 98% EXTRAPURE

Butyl Cellosolve, Butyl glycol , 2-Butoxyethanol

Product Code.	01175	Grade	Extrapure
Purity	98%	CAS No.	111-76-2
Molecular Formula	C6H14O2	Molecular Weight	118.18
H.S.Code	2909.43000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Mild odor
Melting point/ Freezing point [°C]	-75 °C	Auto-ignition temperature [°C]	238°C	Flammability (solid, gas)	Flammable
Flash point [°C]	67 °C	Boiling point [°C]	171 °C	Evaporation rate	0.07
Vapour pressure [20°C]	0.8 mm Hg @ 2°C	Vapour pressure mm/Hg	0.8 mm Hg @ 20C	Vapour density	4.07
Density [g/cm3]	0.9	Solubility in water [% weight]	Soluble in water	Explosion limits - upper [%]	12.70%
Explosion limits -lower [%]	1.10%				

Packaging



Specification

Appearance	A clear, colorless liquid

Purity (by GC)	Min 98%
Weight/ mL at 20°C	0.899 - 0.903 g/ml
Refractive index (20°C; 589 nm)	1.419 - 1.421

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

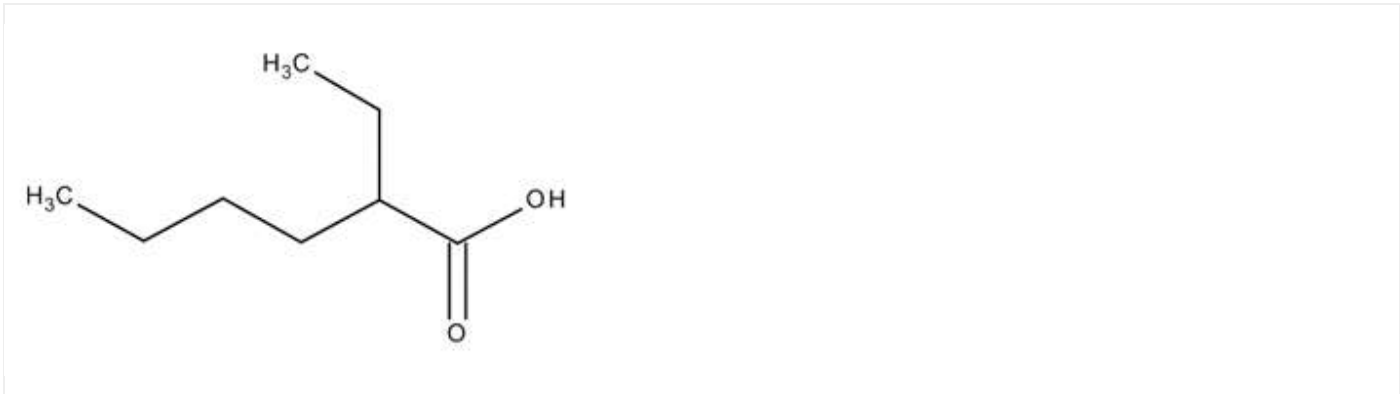
Hazardous Statement: H302-H312-H315-H319-H332

Precaution Statement: P280-P305 + P351 + P338

2-ETHYLHEXANOIC ACID 99% FOR SYNTHESIS

Octoic Acid

Product Code.	01178	Grade	For Synthesis
Purity	99%	CAS No.	149-57-5
Molecular Formula	C8H16O2	Molecular Weight	144.22
H.S.Code	2915.90200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to yellow	Odour	Mild odour
pH value	3 at 1.4 g/l at 20 °C	Melting point/ Freezing point [°C]	-59 °C	Auto-ignition temperature [°C]	371°C
Flash point [°C]	114 °C	Boiling point [°C]	228 °C	Vapour pressure [20°C]	< 0.01 hPa at 20 °C
Vapour density	4.98	Density [g/cm3]	0.903 g/cm3 at 25 °C	Solubility in water [% weight]	Slightly soluble in water
Partition coefficient Log Pow octanol / water at 20°C	2.7 at 25 °C	Viscosity at 40°C [mm2/s]	7.73 cps	Explosion limits - upper [%]	6.70%
Explosion limits -lower [%]	0.90%				

Packaging

Specification

Appearance	A clear colourless to yellow liquid.
Purity (by GC)	Min 99.0%

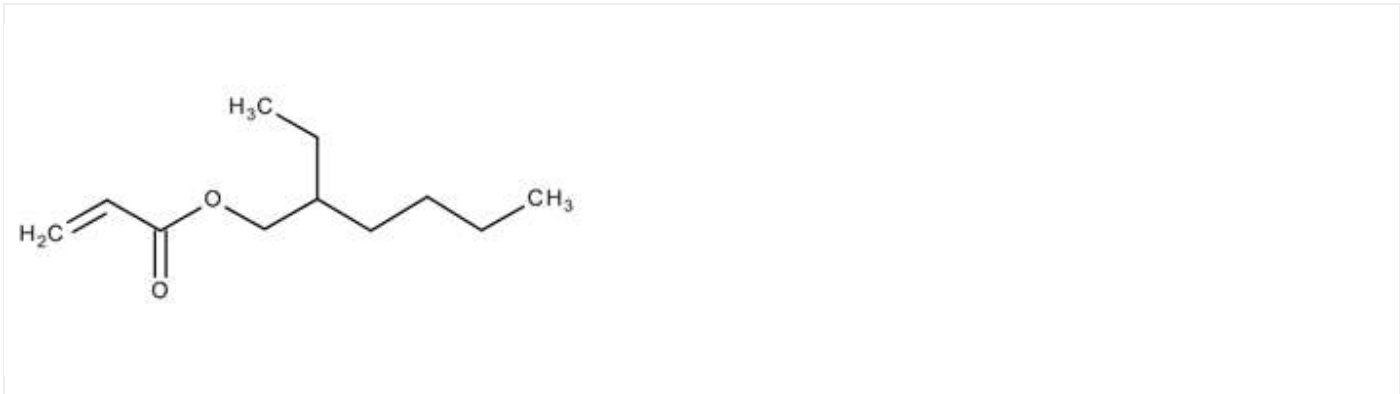
Density (d20°C/4°C)	0.905 - 0.907 g/ml
Identity (IR)	Passes test

Safety Information and Hazard Symbols


Symbol: GHS05, GHS07, GHS08 Signal Word: Danger Hazardous Statement: H312-H318-H361 Precaution Statement: P280-P305 + P351 + P338

2-ETHYLHEXYL ACRYLATE 99% FOR SYNTHESIS
(±)-Acrylic acid 2-ethylhexyl ester

Product Code.	01180	Grade	
Purity	98%	CAS No.	103-11-7
Molecular Formula	C11H20O2	Molecular Weight	184.28
H.S.Code	2916.12900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ester like odour
Melting point/ Freezing point [°C]	-90 °C	Auto-ignition temperature [°C]	258 °C	Flash point [°C]	79 °C
Boiling point [°C]	215 - 219 °C	Initial boiling point [°C]	215°C	Final boiling point [°C]	219 °C
Vapour pressure [20°C]	0.2 hPa at 20 °C	Vapour density	6.36	Density [g/cm3]	0.885 g/cm3 at 25 °C
Solubility in water [% weight]	0.1 g/l (25 °C)	Partition coefficient Log Pow octanol / water at 20°C	3.67	Viscosity at 40°C [mm2/s]	1.7 mPa.s (20 °C)
Explosion limits - upper [%]	6.40%	Explosion limits -lower [%]	0.80%		

Packaging

Specification

Appearance	A clear colourless liquid
Assay (GC area %)	Min 99%

Density (d20°C/4°C)	0.884 - 0.886
Identity (IR)	Passes test

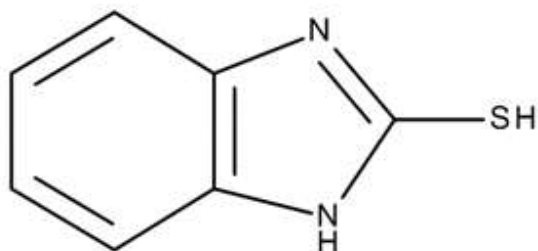
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H317-H335 Precaution Statement: P261-P280

2-MERCAPTOBENZIMIDAZOLE 98% FOR SYNTHESIS

2-Benzimidazolethiol

Product Code.	01649	Grade	For Synthesis
Purity	98%	CAS No.	583-39-1
Molecular Formula	C7H6N2S	Molecular Weight	150.20
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	300 - 304 °C

Specification

Appearance	White to almost white powder
Assay	Min 98.0%
Melting range	300 - 305 °C

Safety Information and Hazard Symbols

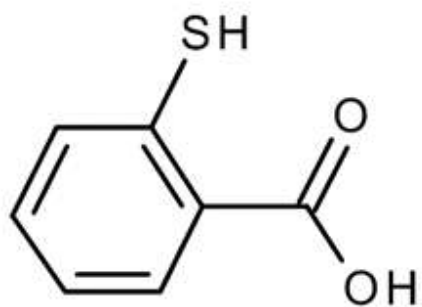


Symbol: GHS06
Signal Word: Danger
UN No.: 2811
IMCO Class No.: 6.1
Packing Group: III
Hazardous Statement: H301-H312-H315-H319-H332-H335
Precaution Statement: P261-P280-P301 + P310-P305 + P351 + P338

2-MERCAPTOBENZOIC ACID AR

Thiosalicylic acid

Product Code.	01650	Grade	
Purity	99%	CAS No.	147-93-3
Molecular Formula	C7H6O2S	Molecular Weight	154.19
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to pale yellow	Odour	Stench odour
Melting point/ Freezing point [°C]	164 - 167 °C	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance	White to pale yellow powder
Assay	Min 99%
Melting point	165 - 167 deg C

Safety Information and Hazard Symbols

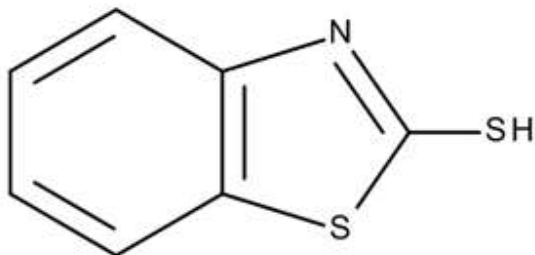


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

2-MERCAPTOBENZOTHAIAZOLE 99% AR

2-Benzimidazolethiol

Product Code.	01651	Grade	AR
Purity	99%	CAS No.	149-30-4
Molecular Formula	C7H5NS2	Molecular Weight	167.25
H.S.Code	2934.20000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light yellow	Odour	Odorless
Melting point/ Freezing point [°C]	177 - 181 °C	Flash point [°C]	243 °C	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	2.41	Explosion limits -lower [%]	15%		

Specification

Appearance	Yellow coloured powder
Purity (by HPLC)	Min 99%
Melting point	178 - 182°C

Safety Information and Hazard Symbols

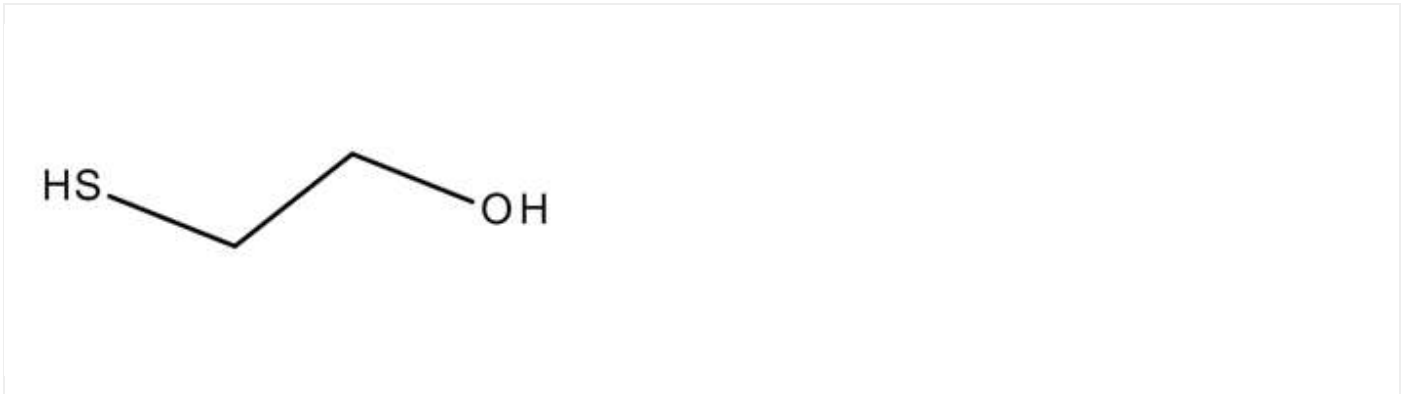


Symbol: GHS07, GHS09
Signal Word: Warning
UN No.: 3077
IMCO Class No.: 9
Packing Group: III
Hazardous Statement: H317-H410
Precaution Statement: P273-P280-P501

2-MERCAPTOETHANOL 98% FOR SYNTHESIS

β-Mercaptoethanol, 2-Hydroxyethylmercaptan, BME, Thioethylene glycol

Product Code.	01652	Grade	For Synthesis
Purity	98%	CAS No.	60-24-2
Molecular Formula	HS.CH2CH2OH	Molecular Weight	78.13
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Pale pinkish colour	Odour	Disagreeable odor
pH value	4.5 - 6 at 500 g/l at 20 °C	Melting point/ Freezing point [°C]	< -50 °C	Auto-ignition temperature [°C]	295 °C
Flash point [°C]	68 °C	Boiling point [°C]	157 °C	Vapour pressure [20°C]	0.76 hPa at 20 °C
Vapour density	2.7	Density [g/cm3]	1.114	Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	0.056	Explosion limits - upper [%]	18%	Explosion limits -lower [%]	2.30%

Packaging

Specification

Appearance	Clear colorless to light yellow liquid
Purity (by GC)	Min 98.0%
Weight/ mL at 20°C	About 1.12 g/ml

Refractive index (20°C; 589 nm)

1.499 - 1.502

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS09

Signal Word: Danger

UN No.: 2966

IMCO Class No.: 6.1

Packing Group: II

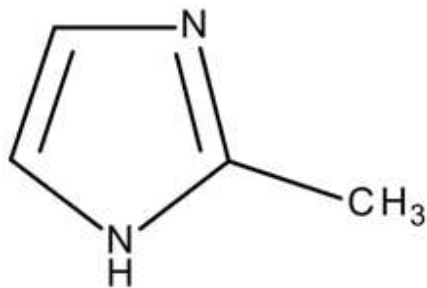
Hazardous Statement: H301-H310-H315-H317-H318-H330-H410

Precaution Statement: P260-P273-P280-P284-P301 + P310-P302 + P350

2-METHYLIMIDAZOLE 98% EXTRAPURE

2-Methylglyoxaline

Product Code.	01731	Grade	
Purity	98%	CAS No.	693-98-1
Molecular Formula	C4H6N2	Molecular Weight	82.11
H.S.Code	2933.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to light yellow	pH value	10.5
Melting point/ Freezing point [°C]	142 - 143 °C	Flash point [°C]	155°C	Boiling point [°C]	267 - 268 °C
Initial boiling point [°C]	267°C	Final boiling point [°C]	268 °C	Vapour pressure [20°C]	< 1 mbar @20°C
Solubility in water [% weight]	780 g/l Water (200C)				

Packaging

Specification

Appearance	White crystalline powder
Assay	Min 98%
Melting point	144 - 146 deg C

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

UN No.: 3259

IMCO Class No.: 8

Packing Group: II

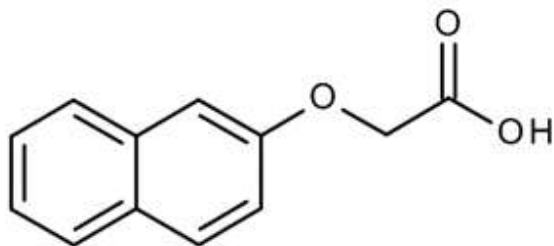
Hazardous Statement: H302-H314

Precaution Statement: P280-P305 + P351 + P338-P310

2-NAPHTHOXYACETIC ACID 97% FOR SYNTHESIS

BNOA; (2-Naphthyloxy)acetic Acid ; b-naphthoxyacetic acid)

Product Code.	01786	Grade	For Synthesis
Purity	97%	CAS No.	120-23-0
Molecular Formula	C ₁₂ H ₁₀ O ₃	Molecular Weight	202.21
H.S.Code	2918.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light grey crystalline	Melting point/ Freezing point [°C]	156°C
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	White to Grey and Faint Beige to Beige powder
Assay (acidimetric)	Min 97.0%
Melting range	154 - 158°C
Identity (IR)	Passes test

Safety Information and Hazard Symbols

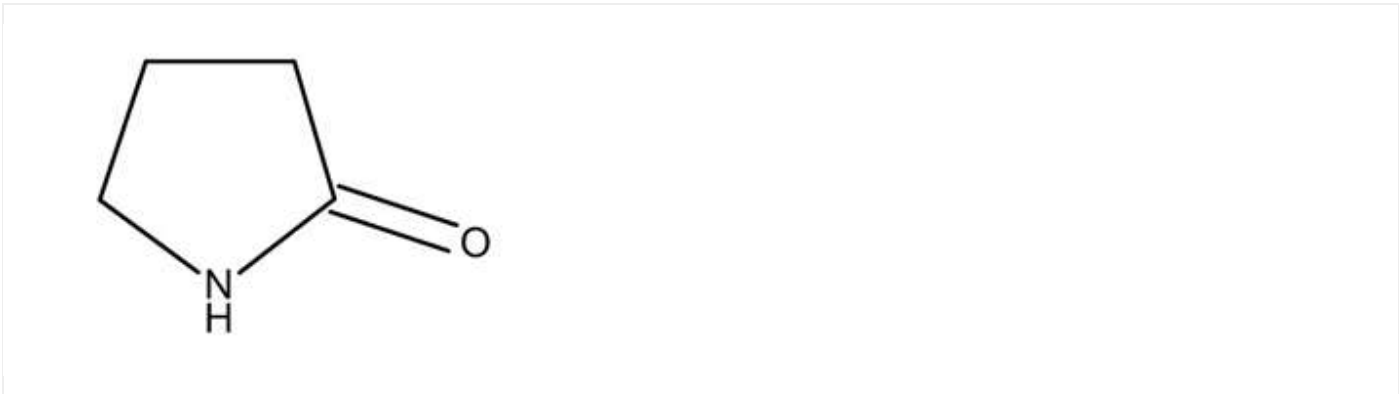


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

2-PYRROLIDIONE 99% FOR SYNTHESIS

Product may darken during storage Butyrolactam

Product Code.	02237	Grade	For Synthesis
Purity	99%	CAS No.	616-45-5
Molecular Formula	C4H7NO	Molecular Weight	85.11
H.S.Code	2933.79000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Melting point/ Freezing point [°C]	23 - 25 °C
Flash point [°C]	113 °C	Boiling point [°C]	245 °C	Density [g/cm3]	1.12
Solubility in water [% weight]	Soluble in water				

Packaging

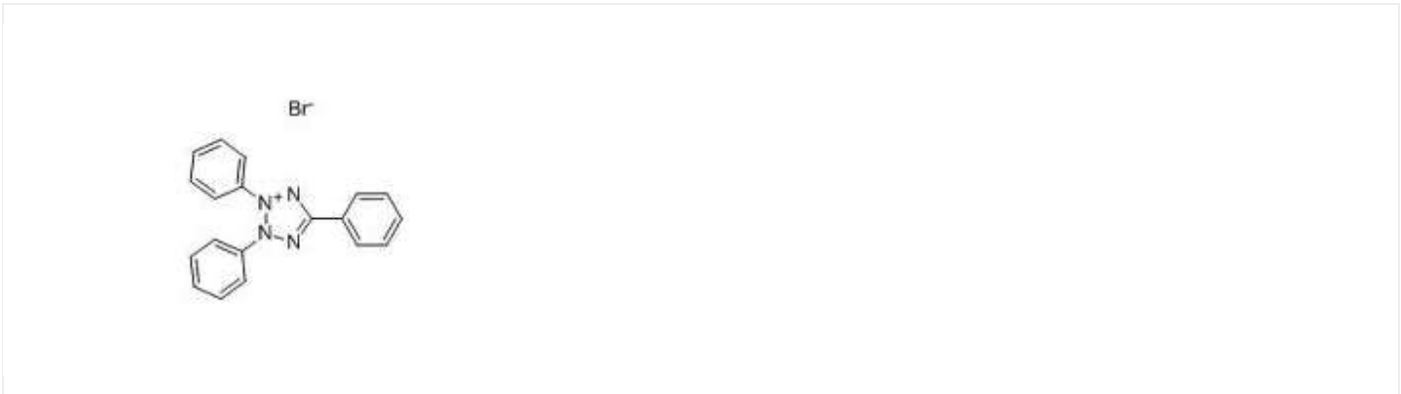
Specification

Appearance	A Clear colorless to pale yellow liquid
Assay	Min 99%
Density (d20°C/4°C)	1.110 - 1.112 g/ml
Water (by KF)	Max 0.2%

Safety Information and Hazard Symbols

2.3.5-TRIPHENYL TETRAZOLIUM BROMIDE AR
2H-Tetrazolium; 2,3,5-triphenyl-, bromide (1:1)

Product Code.	02779	Grade	
Purity		CAS No.	1096-80-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to pale yellow

Packaging

Specification

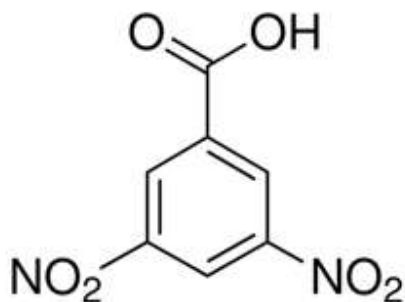
Appearance	White to pale yellowish coloured powder

Safety Information and Hazard Symbols

3,5-DINITRO BENZOIC ACID

3-Carboxy-1,5-dinitrobenzene. DNBA

Product Code.	01058	Grade	
Purity	98%	CAS No.	99-34-3
Molecular Formula	C7H4N2O6	Molecular Weight	212.12
H.S.Code	2916.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow crystalline	pH value	2.7
Melting point/ Freezing point [°C]	204 - 206 °C	Density [g/cm3]	1.683	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	1.64				

Specification

Appearance	A yellowish crystalline powder
Assay	Min 98%
Melting point	204 - 208 deg C

Safety Information and Hazard Symbols

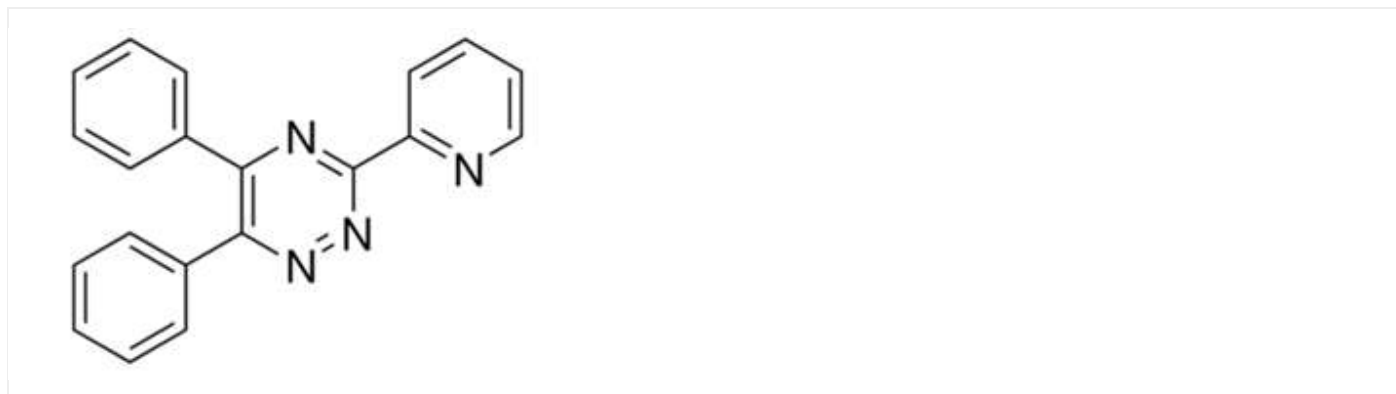


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302-H315-H319-H335-H413
Precaution Statement: P261-P305 + P351 + P338

3-(2-PYRIDYL)-5, 6-DIPHENYL 1,2,4-TRIAZINE 99% AR (PDT)

PDT

Product Code.	02227	Grade	
Purity	99%	CAS No.	1046-56-6
Molecular Formula	C20H14N4	Molecular Weight	310.36
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellow	Odour	Odorless
Melting point/ Freezing point [°C]	190 - 193 °C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Yellow powder/crystalline powder
Assay (by HClO4 titration)	Min 99%

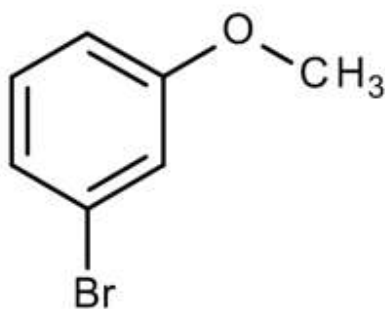
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

3-BROMOANISOLE 98% FOR SYNTHESIS

1-Bromo-3-methoxybenzene

Product Code.	00488	Grade	
Purity	98%	CAS No.	2398-37-0
Molecular Formula	C7H7BrO	Molecular Weight	187.04
H.S.Code	2909.30120	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless to pale yellow	Odour	Odorless
Flash point [°C]	98 °C	Boiling point [°C]	210 - 211 °C	Initial boiling point [°C]	210°C
Final boiling point [°C]	211 °C	Density [g/cm3]	1.447		

Packaging



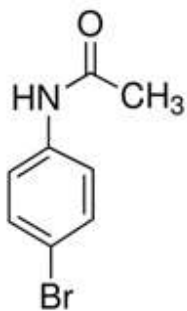
Specification

Appearance	A clear colourless to pale yellow liquid
Assay (GC area %)	Min 98%
Density (d20°C/4°C)	1.489 –1.493
Identity (IR)	Passes test

4-BROMOACETANILIDE 98% FOR SYNTHESIS

4-BROMOACETANILIDE 98% For Synthesis ;N-Acetyl -p-Bromoaniline

Product Code.	00484	Grade	
Purity	98%	CAS No.	103-88-8
Molecular Formula	C ₈ H ₈ BrNO	Molecular Weight	214.06
H.S.Code	2924.29900	Shelf Life	60 Months



Packaging



Specification

Appearance	white to light beige crystalline solid
Assay (ex Br)	Min 98%
Melting range	165 - 169 deg C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

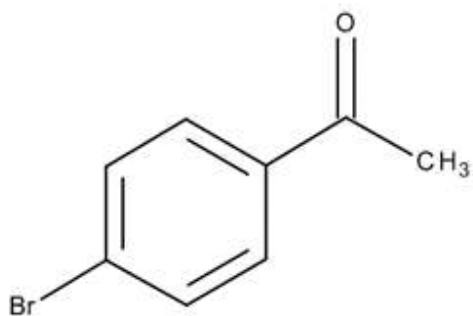
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

4-BROMOACETOPHENONE 98% FOR SYNTHESIS

1-Acetyl-4-bromobenzene ; (4-Bromo Acetophenone)

Product Code.	00486	Grade	For Synthesis
Purity	98%	CAS No.	99-90-1
Molecular Formula	C ₈ H ₇ Br	Molecular Weight	199.06
H.S.Code	2914.79900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Melting point/ Freezing point [°C]	49 - 51 °C
Flash point [°C]	113 °C	Boiling point [°C]	255°C		

Packaging



Specification

Appearance	White to off white Powder, Crystals, Flakes or Crystalline Powder
Assay	Min 98%
Melting range	49 - 52°C

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Danger

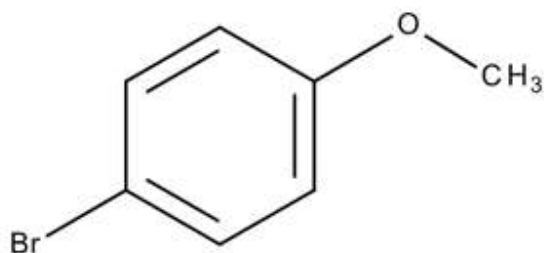
Hazardous Statement: H315-H319-H334-H335

Precaution Statement: P261-P305 + P351 + P338-P342 + P311

4-BROMOANISOLE 98% FOR SYNTHESIS

1-Bromo-4-methoxy benzoate ; (4-Bromoanisole)

Product Code.	00489	Grade	
Purity	98%	CAS No.	104-92-7
Molecular Formula	C7H7BrO	Molecular Weight	187.04
H.S.Code	2909.30120	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	light yellow	Odour	Odorless
Melting point/ Freezing point [°C]	9 - 10 °C	Flash point [°C]	98 °C	Boiling point [°C]	223 °C
Density [g/cm3]	1.494	Solubility in water [% weight]	Immiscible in water	Partition coefficient Log Pow octanol / water at 20°C	3.05

Packaging



Specification

Appearance	A clear colourless to pale yellow liquid
Assay (GC area %)	Min 98%
Density (d20°C/4°C)	1.494 - 1.497
Identity (IR)	Conforms

4-CHLORO-3,5-DIMETHYLPHENOL 99%

Product Code.	0791A	Grade	
Purity	99%	CAS No.	88-04-0
Molecular Formula	C8H9ClO	Molecular Weight	156.61
H.S.Code	2908.99900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White to beige powder	pH value	6.1
Melting point/ Freezing point [°C]	114 - 116 °C	Boiling point [°C]	246 °C	Vapour pressure [20°C]	0.25 hPa at 20 °C
Density [g/cm3]	0.89	Partition coefficient Log Pow octanol / water at 20°C	2.8		

Packaging

Specification

Appearance (Color)	White to light beige
Appearance (Form)	Crystalline powder or crystals
Infrared spectrum	Conforms
Melting point	113°C to 116°C
GC	>=98.5 %

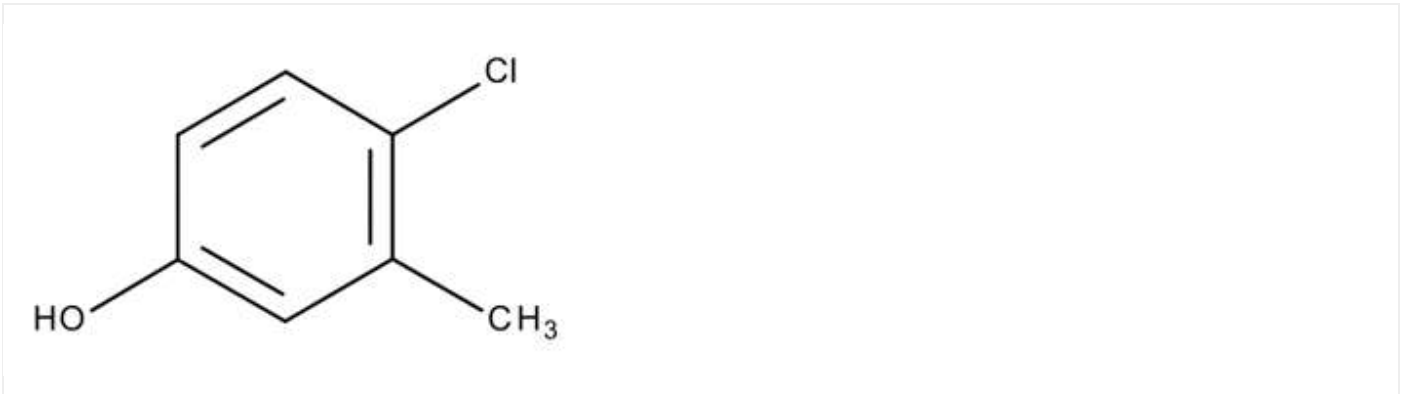
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H315-H317-H319 Precaution Statement: P280-P305 + P351 + P338

4-CHLORO-M-CRESOL 98% EXTRAPURE

(4-Chloro-3-Methyl Phenol)

Product Code.	00764	Grade	Extrapure
Purity	98%	CAS No.	59-50-7
Molecular Formula	C7H7ClO	Molecular Weight	142.59
H.S.Code	3808.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	5.6	Melting point/ Freezing point [°C]	63 - 65 °C	Auto-ignition temperature [°C]	590 °C
Flash point [°C]	118°C	Boiling point [°C]	235 °C	Vapour pressure [20°C]	0.1 hPa at 20,0 °C
Density [g/cm3]	1.37	Solubility in water [% weight]	Soluble in water	Partition coefficient Log Pow octanol / water at 20°C	3.02

Packaging

Specification

Appearance	White or almost white ,crystalline powder /pellets/flakes /crystals
Assay	Min 98%
Melting point	64 - 66 deg C
Sulphated ash	Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

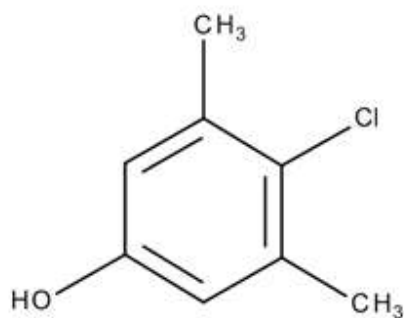
Hazardous Statement: H302-H312-H317-H318-H400

Precaution Statement: P273-P280-P305 + P351 + P338

4-CHLORO-M-XYLENOL (PCMX) 98% PURE

4-Chloro-sym-m-xyleneol ; (4-Chloro-3, 5-dimethylphenol)

Product Code.	00791	Grade	Extrapure
Purity	98%	CAS No.	88-04-0
Molecular Formula	C8H9ClO	Molecular Weight	156.61
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to beige powder	pH value	6.1
Melting point/ Freezing point [°C]	114 - 116 °C	Boiling point [°C]	246 °C	Vapour pressure [20°C]	0.25 hPa at 20 °C
Density [g/cm3]	0.89	Partition coefficient Log Pow octanol / water at 20°C	2.8		

Specification

Appearance	White to beige powder, crystals or crystalline powder
Assay	Min 98%
Melting point	112 - 115 °C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

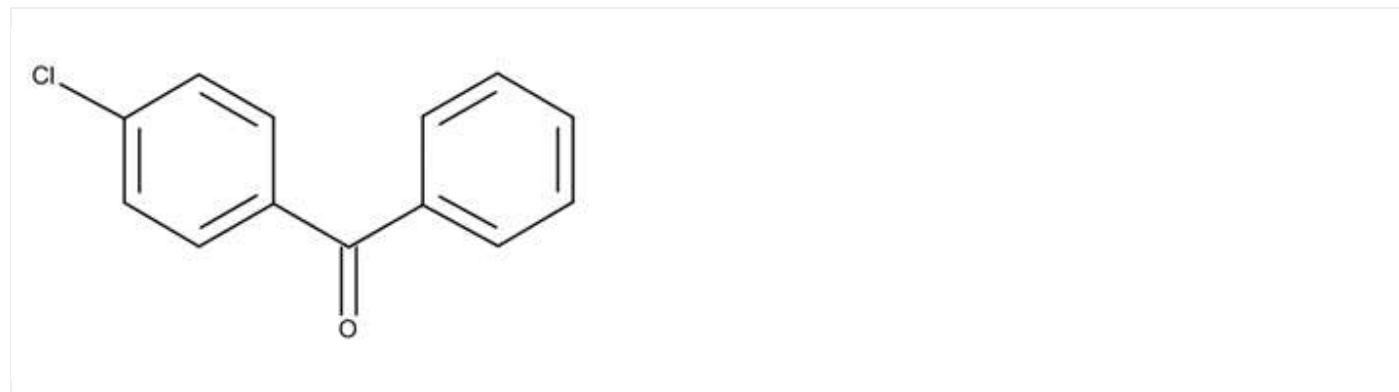
Hazardous Statement: H302-H315-H317-H319

Precaution Statement: P280-P305 + P351 + P338

4-CHLOROBENZOPHENONE 98% FOR SYNTHESIS

4-Chlorobenzophenone

Product Code.	00762	Grade	
Purity	98%	CAS No.	134-85-0
Molecular Formula	C ₁₃ H ₉ ClO	Molecular Weight	216.67
H.S.Code	2914.79900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Faint odour
Melting point/ Freezing point [°C]	74 - 76 °C	Boiling point [°C]	195 - 196 °C		

Packaging



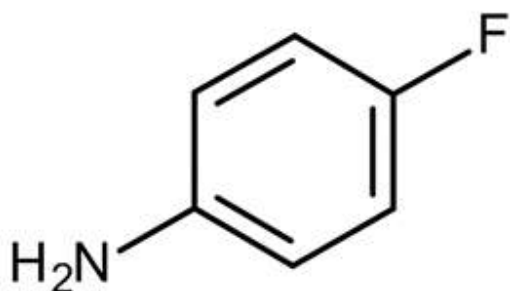
Specification

Appearance	White to off –white powder
Assay (GC area %)	Min 98%
Melting range	73 - 75 deg C
Identity (IR)	Passes test

4-FLUOROANILINE 98% FOR SYNTHESIS

1-Amino-4-fluorobenzene

Product Code.	01237	Grade	For Synthesis
Purity	98%	CAS No.	371-40-4
Molecular Formula	C6H6FN	Molecular Weight	111.12
H.S.Code	2921.41900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Yellow to brown	Melting point/ Freezing point [°C]	-1.9°C
Auto-ignition temperature [°C]	600 °C	Flash point [°C]	74 °C	Boiling point [°C]	187 °C
Vapour pressure [20°C]	1 hPa @ 20°C	Density [g/cm3]	1.157	Solubility in water [% weight]	33 g/L (20°C)

Specification

Appearance	Yellow to brown colored liquid
Purity (by GC)	Min 98.0%
Density (d20°C/4°C)	1.157 - 1.159 g/ml
Boiling Point	187°C

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

UN No.: 2941

IMCO Class No.: 6.1

Packing Group: III

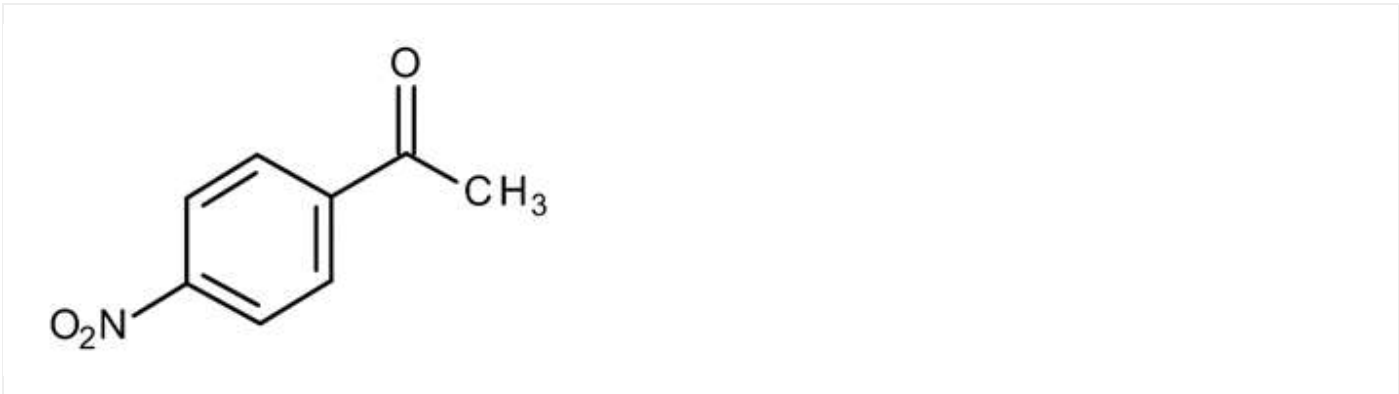
Hazardous Statement: H302-H314

Precaution Statement: P280-P305 + P351 + P338-P310

4-NITROACETOPHENONE 98% FOR SYNTHESIS

4-Nitro acetophenone; 1-(4-Nitrophenyl)ethanone

Product Code.	01845	Grade	For Synthesis
Purity	98%	CAS No.	100-19-6
Molecular Formula	C8H7NO3	Molecular Weight	165.15
H.S.Code	2914.79900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	75 - 78 °C	Boiling point [°C]	202 °C		

Packaging

Specification

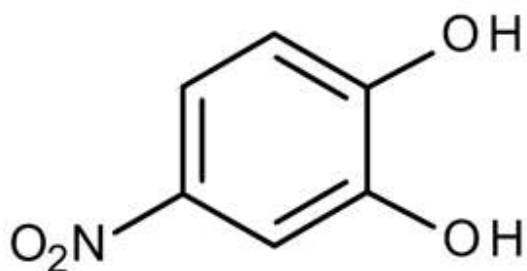
Appearance	Yellow crystalline powder
Purity (by GC)	Min 98.0%
Melting range	76 - 80 °C

Safety Information and Hazard Symbols

4-NITROCATECHOL 97% AR

Reagent for Germanium Tyrosinase inhibitor. 1,2-Dihydroxy-4-nitrobenzene; 4-Nitropyrocatechol

Product Code.	01860	Grade	
Purity	97%	CAS No.	9/4/3316
Molecular Formula	C6H5NO4	Molecular Weight	155.10
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish yellow crystalline	Melting point/ Freezing point [°C]	173 - 177 °C
Flash point [°C]	168.8°C	Density [g/cm3]	1.58		

Specification

Appearance	Brownish yellow crystalline powder
Assay	Min 97%
Melting point	173 - 177 deg C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

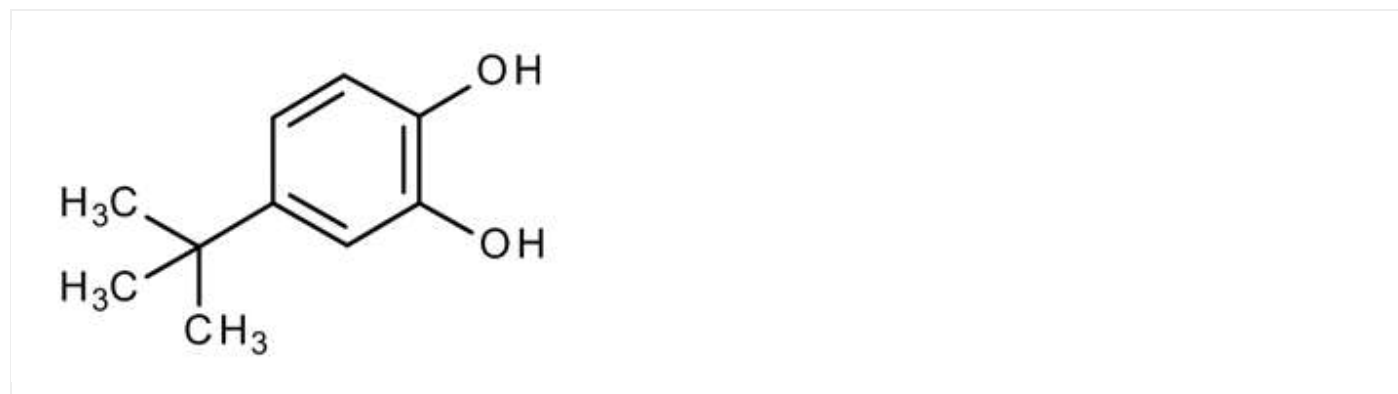
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

4-TERT-BUTYL CATECHOL 98% EXTRAPURE

1, 2 Benzenediol

Product Code.	00570	Grade	
Purity	98%	CAS No.	98-29-3
Molecular Formula	(CH ₃) ₃ C.C ₆ H ₃ (OH) ₂	Molecular Weight	166.22
H.S.Code	2907.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Creamish yellow	Melting point/ Freezing point [°C]	52 - 55 °C
Flash point [°C]	113 °C	Boiling point [°C]	285 °C	Partition coefficient Log Pow octanol / water at 20°C	2.38

Packaging



Specification

Appearance	Creamish yellow colored lumps
Assay (GC area %)	Min 98%
Melting point	Min 52°C
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS09

Signal Word: Danger

UN No.: 2923

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H302-H311-H314-H317-H411

Precaution Statement: P273-P280-P305 + P351 + P338-P310

4-TOLUENESULPHONYL CHLORIDE 98% FOR SYNTHESIS

4-methylbenzenesulfonyl chloride; Tosyl chloride; 4-toluenesulfonyl chloride; p-TsCl; TsCl

Product Code.	02730	Grade	For Synthesis
Purity	98%	CAS No.	98-59-9
Molecular Formula	C7H7ClO2S	Molecular Weight	190.65
H.S.Code	2904.10900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to grey crystalline	Odour	characteristic odor
Melting point/ Freezing point [°C]	66 - 69 °C	Flash point [°C]	128 °C	Boiling point [°C]	134 °C
Density [g/cm3]	1.49	Solubility in water [% weight]	Hydrolysis		

Specification

Appearance	A white to gray crystalline powder
Assay	Min 98.0%
Melting range	66 - 70°C

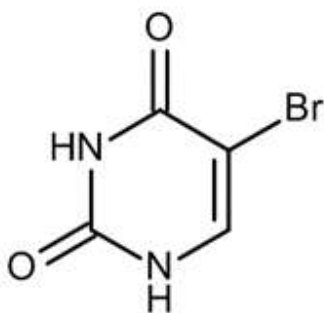
Safety Information and Hazard Symbols


Symbol: GHS05 Signal Word: Danger UN No.: 3261 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H315-H318 Precaution Statement: P280-P305 + P351 + P338

5-BROMO-URACIL 97% EXTRAPURE

5-Bromo-2,4-dihydropyrimidine

Product Code.	00521	Grade	
Purity	97%	CAS No.	51-20-7
Molecular Formula	C ₄ H ₃ BrN ₂ O ₂	Molecular Weight	190.99
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	> 300 °C

Packaging



Specification

Appearance	White powder
Assay	Min 97%

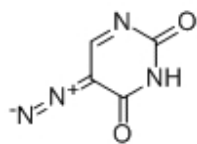
Safety Information and Hazard Symbols



Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302

5-DIAZO URACIL FOR BIOCHEMISTRY

Product Code.	00954	Grade	
Purity		CAS No.	2435-76-9
Molecular Formula	C4H2N4O2	Molecular Weight	138.08
H.S.Code	2922.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid

Packaging

Specification

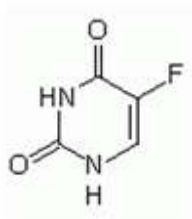
Appearance	A clear colourless liquid

Safety Information and Hazard Symbols

5-FLUORO URACIL 99% EXTRAPURE

2,4-Dihydroxy-5-fluoropyrimidine, 5-FU, 5-Fluoro-2,4(1H,3H)-pyrimidinedione

Product Code.	01239	Grade	Extrapure
Purity	99%	CAS No.	51-21-8
Molecular Formula	C4H3FN2O2	Molecular Weight	130.08
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	282 - 286 °C
Partition coefficient Log Pow octanol / water at 20°C	0.677				

Specification

Appearance	White to off-white crystalline powder
Assay (acidimetric)	Min 99.0%

Safety Information and Hazard Symbols

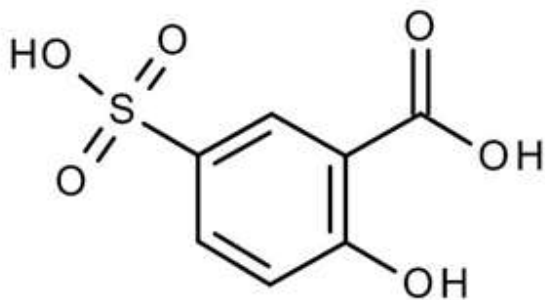


Symbol: GHS06
Signal Word: Danger
UN No.: 2811
IMCO Class No.: 6.1
Packing Group: III
Hazardous Statement: H301-H412
Precaution Statement: P273-P301 + P310

5-SULPHOSALICYLIC ACID DIHYDRATE 99% AR

Reagent for iron, aluminium and titanium. Suitable for detection of protein in Urine. 2-Hydroxy-5-sulfobenzoic acid ; 5-sulphosalicylic acid

Product Code.	02594	Grade	AR
Purity	99%	CAS No.	5965-83-3
Molecular Formula	C7H6O6S.2H2O	Molecular Weight	254.21
H.S.Code	2918.23900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Odorless
Melting point/ Freezing point [°C]	110 - 112 °C	Solubility in water [% weight]	127.1 g/l at 20 °C		

Packaging

Specification

Appearance	White crystalline powder
Assay (alkalimetric)	99.0-101.0%
Insoluble matter	Max 0.02%
Residue on ignition	Max 0.1%
Chloride (Cl)	Max 0.001%
Salicylic acid (C7H6O3)	Max 0.04%
Heavy metal (as Pb)	Max 0.002%

Iron (Fe)

Max 0.001%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

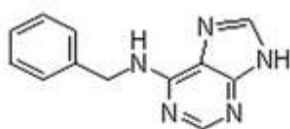
Hazardous Statement: H302-H314

Precaution Statement: P280-P305 + P351 + P338-P310

6-BENZYL ADENINE 99% EXTRAPURE

6-Benzyl Aminopurine

Product Code.	00392	Grade	Extrapure
Purity	99%	CAS No.	1214-39-7
Molecular Formula	C ₁₂ H ₁₁ N ₅	Molecular Weight	225.26
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	237°C
Solubility in water [% weight]	Insoluble in water				

Packaging



Specification

Appearance	White to light yellow powder
Assay	Min 99%
Melting point	230 - 234° C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

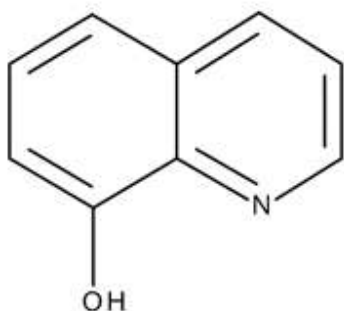
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

8-HYDROXYQUINOLINE (OXINE) 99% EXTRAPURE

Oxine

Product Code.	01422	Grade	Extrapure
Purity	99%	CAS No.	148-24-3
Molecular Formula	C ₉ H ₇ NO	Molecular Weight	145.18
H.S.Code	2933.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Cream powder	Odour	Odorless
Melting point/ Freezing point [°C]	72 - 74°C	Boiling point [°C]	267°C	Vapour pressure mm/Hg	0.00221 hPa at 20 °C
Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.02		

Packaging



Specification

Appearance	White to faint yellow, light beige to faint brownish color powder, pellets or crystals
Purity (by HPLC)	Min 99.0%

Melting point	72.5 - 76°C
Sulphated ash	Max. 0.1%
Chloride (Cl)	Max. 0.01%
Sulphate (SO ₄)	Max. 0.02%

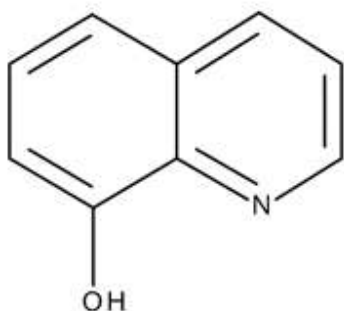
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

8-HYDROXYQUINOLINE 99% AR

Reagent for vanadium, magnesium. 8-Oxychinolin; 8-Quinolinol; Oxine

Product Code.	01423	Grade	
Purity	99%	CAS No.	148-24-3
Molecular Formula	C ₉ H ₇ NO	Molecular Weight	145.18
H.S.Code	2933.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Cream powder	Odour	Odorless
Melting point/ Freezing point [°C]	72 - 74°C	Boiling point [°C]	267°C	Vapour pressure mm/Hg	0.00221 hPa at 20 °C
Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.02		

Packaging

Specification

Appearance	White to Faint Yellow light beige to faint brown powder, ctrystals or flake
Assay (HPLC, area%)	99 - 101.0%
Identity (IR)	Passes test
Melting point	72.5 - 74°C
Suitability (as reagent for detection of Mg)	Passes test

Insoluble matter in alcohol	Max 0.05%
Sulphated ash	Max 0.05%
Chloride (Cl)	Max 0.005%
Sulphate (SO ₄)	Max 0.01%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

A-N-BENZOYL-L-ARGININE ETHYL ESTER HYDROCHLORIDE (BAEE)

Product Code.	00388	Grade	
Purity	Min. 99%	CAS No.	2645-08-1
Molecular Formula	C15H23CIN4O3	Molecular Weight	342.83
H.S.Code	29252990.00000	Shelf Life	

Physical Properties

Packaging

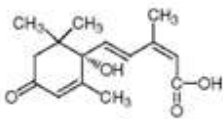


Specification

Safety Information and Hazard Symbols

ABSCISIC ACID 98% EXTRAPURE (ABA)
ABA

Product Code.	00001	Grade	Extrapure
Purity	98.0%	CAS No.	21293-29-8
Molecular Formula	C15H20O4	Molecular Weight	264.30
H.S.Code	29189900.00000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	160 - 161 °C

Packaging



Specification

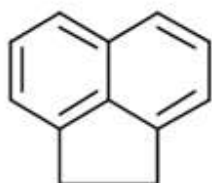
Appearance	White to Light Tan Powder
Assay	Min 98%

Safety Information and Hazard Symbols

ACENAPHTHENE 96% FOR SYNTHESIS

1,8-Ethylenenaphthalene

Product Code.	00004	Grade	
Purity	Min 96%	CAS No.	83-32-9
Molecular Formula	C12H10	Molecular Weight	154.21
H.S.Code	2902.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White	Melting point/ Freezing point [°C]	90 - 94 °C
Boiling point [°C]	279 °C	Density [g/cm3]	1.02	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	3.39 - 4.19				

Packaging



Specification

Appearance	White to cream or yellow to brown translucent crystalline chunks, flakes & pale powder
Assay	Min 96%
Melting range	90 - 93°C

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

Hazardous Statement: H315-H319-H335-H410

Precaution Statement: P261-P273-P305 + P351 + P338-P501

ACETIC ANHYDRIDE 98% EXTRAPURE

Product Code.	00018	Grade	LR
Purity	Min 98%	CAS No.	108-24-7
Molecular Formula	C4H6O3	Molecular Weight	102.10
H.S.Code	29152400.00000	Shelf Life	

Physical Properties

Packaging



Specification

Assay (GC)	Min 98%
Colour (APHA)	Max 10
Boiling Point	136-142 C
Chloride (cl)	Max 0.001%
Sulphate (SO4)	Max 0.001%

Safety Information and Hazard Symbols



ACETIC ANHYDRIDE 99% AR
(Thermocol Packing)

Product Code.	00019	Grade	
Purity	Min 98%	CAS No.	108-24-7
Molecular Formula	C4H6O3	Molecular Weight	102.10
H.S.Code	29152400.00000	Shelf Life	

Physical Properties

Packaging



Specification

Assay (GC)	Min 98%
COLOUR (APHA)	Max 10
Boiling Point	136-142 C
Chloride (cl)	Max 0.001%
Sulphate (SO4)	Max 0.001%
Cadmium (Cd)	Max 0.00005%
Permanganate (o)	Passes Teast

Safety Information and Hazard Symbols



ACETIC ANHYDRIDE 99.5% ULTRAPURE

Product Code.	0019A	Grade	Ultrapure
Purity	99.5%	CAS No.	108-24-7
Molecular Formula	C4H6O3	Molecular Weight	102.10
H.S.Code	29152400.00000	Shelf Life	

Physical Properties

Packaging



Specification

Purity (by GC)	Min 99.5%
Colour (APHA)	Max 10
Boiling Point	136-142 °C
Chloride (Cl)	Max 0.001%
Sulphate (SO4)	Max 0.001%
Cadmium (Cd)	Max 0.00005%
Substance reducing Permanganate	Passes test

Safety Information and Hazard Symbols



ACETONE CYANOHYDRIN (FOR SYNTHESIS)

Liquid, d. 0.932

Product Code.	00030	Grade	
Purity	Min 98.5%	CAS No.	75-86-5
Molecular Formula	(CH3)2C(OH)CN	Molecular Weight	85.10
H.S.Code	29269000.00000	Shelf Life	60 Month

Physical Properties

Packaging



Specification

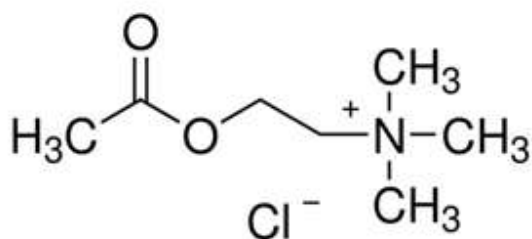
Description	Colorless to Yellow Liquid
Assay (GC)	Min 98.5%
Refractive Index	1.399
BP	82 C/ 23 mmHg(lit.)
MP	-19C
FP	75 C
Density	0.932g/mL

Safety Information and Hazard Symbols

ACETYL CHOLINE CHLORIDE 99% AR

Substrate for the estimation of acetyl cholin esterase (Store in refrigerator) 2-(Acetyloxy)-N,N,N-trimethylethanaminium; Acecoline; ACH

Product Code.	00045	Grade	
Purity	99%	CAS No.	60-31-1
Molecular Formula	C7H16ClNO2	Molecular Weight	181.66
H.S.Code	2923.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	146 - 150 °C
Solubility in water [% weight]	Soluble in water				

Packaging



Specification

Appearance	White hygroscopic crystalline powder
Assay (ex Cl)	Min 99.0%
Sulphated ash	Max 0.1%
Melting range	148-152 degC

Heavy metal (as Pb)	Max 0.001%
Arsenic (As)	Max 0.0002%
Loss on drying (at 105°C)	Max 0.75%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

ACETYL CHOLINE IODIDE 99% AR

(Store in Refrigerator)

Product Code.	00046	Grade	AR
Purity	Min. 99%	CAS No.	2260-50-6
Molecular Formula	C7H16INO2	Molecular Weight	273.11
H.S.Code	29239000.00000	Shelf Life	

Physical Properties

Packaging



Specification

Appearance	White to Off White Powder
Assay (GC)	Min 99%
M.P.	161 - 164C

Safety Information and Hazard Symbols



ACETYL SALICYLIC ACID 99% AR

Aspirin
For Lab Use Only

Product Code.	00051	Grade	AR
Purity	Min. 99.5%	CAS No.	50-78-2
Molecular Formula	C9H8O4	Molecular Weight	180.15
H.S.Code	29182310.00000	Shelf Life	

Physical Properties

Packaging



Specification

Appearance	White Crystalline Powder
Assay (GC)	99.5%
M.P.	134-136 °C
F.P.	250°C
Water (by LOD)	??0.5 %
Heavy Metal	??0.001 %

Safety Information and Hazard Symbols



ACETYL SALICYLIC ACID 99% FOR SYNTHESIS

Aspirin
For Lab Use Only

Product Code.	00050	Grade	For Synthesis
Purity	99%	CAS No.	50-78-2
Molecular Formula	C9H8O4	Molecular Weight	180.15
H.S.Code	29182310.00000	Shelf Life	60 Months

Physical Properties

Packaging



Specification

Appearance	White Crystalline Powder
Purity (by GC)	Min. 99%
M.P.	134 - 136 °C
F.P.	250 C
Water(by LOD)	Max 0.5%
Heavy Metal	Max 0.001%

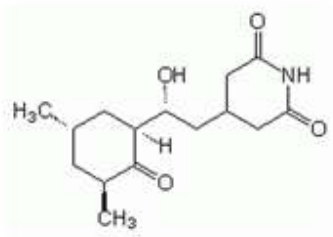
Safety Information and Hazard Symbols



ACTIDIONE 98% AR

Cycloheximide, 3-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]glutarimide, Naramycin A

Product Code.	00062	Grade	AR
Purity	98%	CAS No.	66-81-9
Molecular Formula	C15H23NO4	Molecular Weight	281.35
H.S.Code	2941.90110	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	120°C	Solubility in water [% weight]	Slightly soluble	Partition coefficient Log Pow octanol / water at 20°C	0.55

Packaging

Specification

Appearance	White to faintly beige powder
Purity (by HPLC)	Min 98.0%
Identity (IR)	Passes test
Melting point	108-121°C
Specific optical rotation ([α] _D ²⁰ ; 1% ; CHCl ₃)	-25° to -32°

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: I

Hazardous Statement: H300-H341-H360D-H411

Precaution Statement: P201-P264-P273-P281-P301 + P310-P308 + P313

Risk Statement: 61-28-38-51/53-68

Safety Statement: 53-45-61

ACTIVATED CHARCOAL (DECOLORIZING POWDER)
(Decolorizing Powder); MB Value 240 Activated Carbon

Product Code.	00063	Grade	(Decolorizing Powder)
Purity		CAS No.	7440-44-0
Molecular Formula	C	Molecular Weight	12.01
H.S.Code	3802.10000	Shelf Life	60 Months

C

Physical Properties

Physical state at 20 °C	Solid	Colour	Black	Odour	Odorless
pH value	6 - 9	Melting point/ Freezing point [°C]	3550°C	Auto-ignition temperature [°C]	450 °C
Boiling point [°C]	Sublimes	Vapour pressure [20°C]	< 0.01 hPa at 20 °C	Vapour density	0.4
Density [g/cm3]	1.8 - 2.1	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Black powder
Substance soluble in ethanol	Max 0.2%

Substance soluble in HCl	Max 1.0%
Chloride (Cl)	Max 0.2%
Sulphate (SO4)	Max 0.2%
Heavy metal (as Pb)	Max 0.005%
Iron (Fe)	Max 0.015%
Loss on drying (at 120°C)	Max 8.0%
pH (2 % aq. suspension)	6.0 to 9.0
Methylene blue value	Min 240

Safety Information and Hazard Symbols

ACTIVATED CHARCOAL AR (PHOSPHORUS FREE, FOR SOIL TEST)

For soil test Activated carbon

Product Code.	00065	Grade	AR
Purity		CAS No.	7440-44-0
Molecular Formula	C	Molecular Weight	12.01
H.S.Code	3802.10000	Shelf Life	60 Months

C

Physical Properties

Physical state at 20 °C	Solid	Colour	Black	Odour	Odorless
pH value	6 - 9	Melting point/ Freezing point [°C]	3550°C	Auto-ignition temperature [°C]	450 °C
Boiling point [°C]	Sublimes	Vapour pressure [20°C]	< 0.01 hPa at 20 °C	Vapour density	0.4
Density [g/cm3]	1.8 - 2.1	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Black powder
Substance soluble in ethanol	Max 0.5%

Substance soluble in HCl	Max 3.0%
Chloride (Cl)	Max 0.05%
Sulphate (SO4)	Max 0.05%
Heavy metal (as Pb)	Max 0.005%
Iron (Fe)	Max 0.05%
Sulphated ash (at 800°C)	Max 5.0%
Loss on drying (at 120°C)	Max 8.0%
pH Value	6.5 - 7.5
Methylene blue value	Min 180

Safety Information and Hazard Symbols

ACTIVATED CHARCOAL GRANULAR EXTRAPURE
(2.5 - 5.0 mm) C A.W. 12.01

Product Code.	00066	Grade	
Purity		CAS No.	7440-44-0
Molecular Formula	C	Molecular Weight	12.01
H.S.Code	3802.10000	Shelf Life	60 Months

C

Physical Properties

Physical state at 20 °C	Solid	Colour	Black	Odour	Odorless
pH value	6 - 9	Melting point/ Freezing point [°C]	3550°C	Auto-ignition temperature [°C]	450 °C
Boiling point [°C]	Sublimes	Vapour pressure [20°C]	< 0.01 hPa at 20 °C	Vapour density	0.4
Density [g/cm3]	1.8 - 2.1	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Black granules
Substance soluble in water	Max 2.0%

Cyano compounds (CN)	Passes test
Heavy metal (as Pb)	Max 0.01%
Arsenic (As)	Max 0.0005%
Lead (Pb)	Max 0.005%
Iron (Fe)	Max 0.05%
Zinc (Zn)	Max 0.15%
Polycyclic aromatics	Passes test
Tar products	Passes test
n-Hexane absorption	Min 20.0%
Residue on ignition (at 1000°C)	Max 10.0%
Loss on drying (at 120°C)	Max 10.0%
Iodine adsorption	Min 800 mg/gm

Safety Information and Hazard Symbols

ACTIVATED CHARCOAL STRONG
(Decolorizing Powder, Acid Washed) C A.W. 12.01

Product Code.	00064	Grade	
Purity		CAS No.	7440-44-0
Molecular Formula	C	Molecular Weight	12.01
H.S.Code	3802.10000	Shelf Life	60 Months

C

Physical Properties

Physical state at 20 °C	Solid	Colour	Black	Odour	Odorless
pH value	6 - 9	Melting point/ Freezing point [°C]	3550°C	Auto-ignition temperature [°C]	450 °C
Boiling point [°C]	Sublimes	Vapour pressure [20°C]	< 0.01 hPa at 20 °C	Vapour density	0.4
Density [g/cm3]	1.8 - 2.1	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Black powder
Substance soluble in water	Max 1.0%

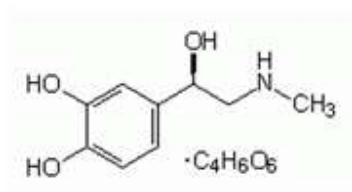
Substance soluble in HCl	Max 3.0%
Chloride (Cl)	Max 0.2%
Sulphate (SO4)	Max 0.2%
Iron (Fe)	Max 0.1%
Heavy metal (as Pb)	Max 0.005%
Sulphated ash (at 800°C)	Max 5.0%
Loss on drying (at 120°C)	Max 10.0%
pH Value	6.5 - 7.5
Incomplete carbonization	Passes test
Methylene blue value	Min 180

Safety Information and Hazard Symbols

ADRENALINE BITARTRATE 98% AR

(Confirms to IP) Adrenaline hydrogen tartrate, Adrenaline acid tartrate, Epinephrine bitartrate

Product Code.	00078	Grade	
Purity	Min. 98%	CAS No.	51-42-3
Molecular Formula	C13H19NO9	Molecular Weight	333.30
H.S.Code	2937.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	4 at 20 g/l
Melting point/ Freezing point [°C]	147°C	Solubility in water [% weight]	Soluble in cold water		

Packaging



Specification

Appearance	A white or greyish-white, crystalline powder; odourless. It darkens on exposure to air and light, decomposition being faster in the presence of moisture
Assay (on anhydrous basis)	98.0-101.0%
Solubility	Freely soluble in water, slightly soluble in ethanol(95%), practically insoluble in chloroform and in

Appearance of solution	To comply IP test
Identification A (IR spectrum)	To confirm the structure
Identification 'B'	Absorption maxima at 279 nm, about 0.4 absorbance
Identification 'C'	It gives reaction of tartrate
Related substance (by HPLC)	
Impurity A	Max 0.3%
Impurity B, C	Max 0.2% each
Total unspecified impurities	Max 0.1% each
Total impurities	Max 0.6%
Phenones (by UV)	Max 0.1 absorbance at 310 nm
Loss on drying	Max 0.5%
Sulphated ash	Max 0.1%
pH (1% w/v solution)	2.8 - 4.0
Specific optical rotation ($[\alpha]_{20/D}$)	-50.0° to -54.0°

Safety Information and Hazard Symbols

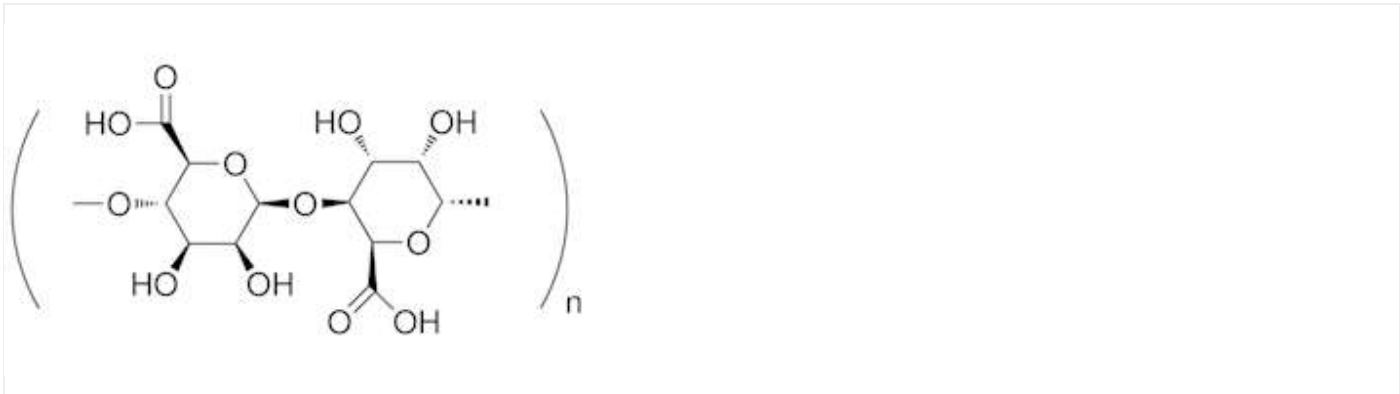


Symbol: GHS06
 Signal Word: Danger
 UN No.: 2811
 IMCO Class No.: 6.1
 Packing Group: III
 Hazardous Statement: H300-H315-H319-H335
 Precaution Statement: P261-P264-P301 + P310-P305 + P351 + P338

ALGINIC ACID

Confirms to IP Algin, Sodium alginate ; d, 1.601

Product Code.	02900	Grade	
Purity		CAS No.	9005-32-7
Molecular Formula	(C6H8O6)n	Molecular Weight	48000.00
H.S.Code	3913.10100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	300 °C

Packaging



Specification

Appearance	White to Light Yellow powder
Assay (as carboxylic acid groups (COOH); on anhydrous basis)	19.0 - 25.0%
Identification	Passes test
pH (3% solution in water)	1.5 - 3.5
Arsenic (As)	Max 0.0005%
Heavy metal (as Pb)	Max 0.004%

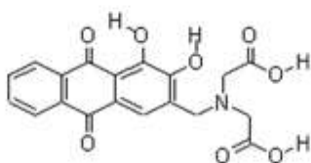
Acid value (mg KOH/gm)	Min 230.0
Total ash	Max 4.0%
Loss on dryig (at 105°C; 4 hrs)	Max 15.0%
Microbial contamination	1 gm is free from Escherichia.coli and 10 g is free from salmonellae

Safety Information and Hazard Symbols

ALIZARINE COMPLEXON INDICATOR FOR EDTA TITRATION

An indicator for EDTA titration especially in acid solution for spectrophotometric determination of fluoride (3,4-Dihydroxy-2-anthraquinonyl)methyliminodiacetic acid dihydrate; 3,4-Dihydroxyanthraquinon-2-yl-methylimino-diacetic acid; Alizarin Fluorine Blue, Alizarin-3-methylamine-N,N-diacetic acid; Alizarin-3-methyliminodiacetic acid

Product Code.	00098	Grade	
Purity	Min. 88%	CAS No.	3952-78-1
Molecular Formula	C ₁₉ H ₁₅ NO ₈ .2H ₂ O	Molecular Weight	421.36
H.S.Code	2914.79900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown powder	Melting point/ Freezing point [°C]	185 °C
Vapour density	14.53	Solubility in water [% weight]	Slightly soluble in water		

Packaging



Specification

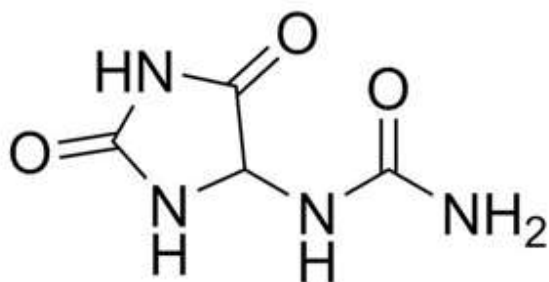
Appearance	Brown colored powder
Identity	Passes test
Absorption maxima at pH 5.1	421-429 nm

Absorptivity (A 1%/1cm; at lmax)	Min 110.0
TLC test	Passes test
Insoluble matter in NaOH	Passes test
Loss on drying (at 135°C)	Max 5.0%
Sensitivity	Passes test

Safety Information and Hazard Symbols

ALLANTOIN POWDER 98.5% EXTRA PURE

Product Code.	00105	Grade	Extra Pure
Purity	Min. 98.5%	CAS No.	97-59-6
Molecular Formula	C4H6N4O3	Molecular Weight	158.12
H.S.Code	2933.21000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	230 °C
Solubility in water [% weight]	Slightly soluble in water	Partition coefficient Log Pow octanol / water at 20°C	-1.13		

Packaging



Specification

Appearance	White crystalline powder
Assay (acidimetric; on anhydrous basis)	98.5-101.0%
Identification	Passes test
Melting point	about 225°C, with decomposition

Acidity or alkalinity	Passes test
Optical rotation	-10° to + °10
Related Substances	Passes test
Reducing substance	Passes test
Sulphated ash	Max 0.1%
Loss on drying (at 105°C)	Max 0.1%
Microbial Limits	Max 100 CFU/g

Safety Information and Hazard Symbols

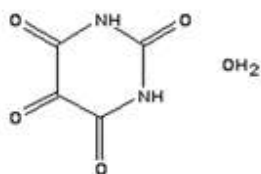


Symbol: GHS07
 Signal Word: Warning
 Hazardous Statement: H302

ALLOXAN MONOHYDRATE 98% EXTRA PURE

Store in refrigerator 2,4,5,6(1H,3H)-Pyrimidinetetrone; 2,4,5,6-Tetraoxypyrimidine, 5,6-Dioxyuracil

Product Code.	00106	Grade	Extra Pure
Purity	Min. 98%	CAS No.	2244-11-3
Molecular Formula	C4H2N2O4.H2O	Molecular Weight	160.09
H.S.Code	2933.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pale yellow crystalline	Melting point/ Freezing point [°C]	255 °C
Solubility in water [% weight]	50 g/l - clear				

Packaging



Specification

Appearance	Off White to Pale yellow crystalline powder turns pink on exposure to air.
Assay (ex N)	Min 98.0%
Melting point (with decomposition)	About 250 degC

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H302-H312-H332

Precaution Statement: P280

ALLYL BROMIDE 98% FOR SYNTHESIS

3-Bromo-1-propene ; Liquid, d. 1.430

Product Code.	00109	Grade	For Synthesis
Purity	98%	CAS No.	106-95-6
Molecular Formula	C3H5Br	Molecular Weight	120.98
H.S.Code	2903.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	unpleasant
Melting point/ Freezing point [°C]	-119 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	-1 °C
Boiling point [°C]	70 - 71 °C	Vapour density	4.2	Density [g/cm3]	1.39
Solubility in water [% weight]	3.83 g/l at 25 °C	Partition coefficient Log Pow octanol / water at 20°C	1.79	Explosion limits - upper [%]	7.30%
Explosion limits -lower [%]	4.30%				

Packaging



Specification

Appearance	Almost colourless to brownish yellow coloured liquid.

Assay	Min 98%
Density (d20°C/4°C)	1.427 - 1.430 g/ml
Refractive index (20°C; 589 nm)	1.469 - 1.4700

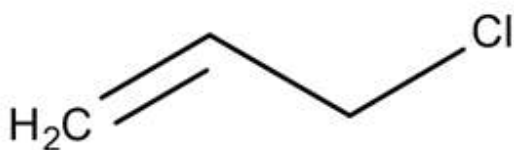
Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS06, GHS09 Signal Word: Danger UN No.: 1099 IMCO Class No.: 3,6.1 Packing Group: I Hazardous Statement: H225-H301-H314-H400 Precaution Statement: P210-P273-P280-P301 + P310-P305 + P351 + P338-P310

ALLYL CHLORIDE 98% FOR SYNTHESIS

3-Chloropropylene ; (3-Chloro-1-Propene) ; Liquid, d. 0.939 (Store at 2-8°C)

Product Code.	00110	Grade	For Synthesis
Purity	98%	CAS No.	107-05-1
Molecular Formula	C3H5Cl	Molecular Weight	76.53
H.S.Code	2903.29000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	pungent odor
Melting point/ Freezing point [°C]	-135 °C	Auto-ignition temperature [°C]	390°C	Flammability (solid, gas)	Flammable
Flash point [°C]	(-29 °C)	Boiling point [°C]	45 °C	Vapour pressure [20°C]	395 mbar
Density [g/cm ³]	0.94	Relative density, liquid (water=1)	0.939	Solubility in water [% weight]	0.36 g/100 mL (20 °C)
Explosion limits - upper [%]	11.20%	Explosion limits -lower [%]	3.20%		

Packaging



Specification

Appearance	A clear colourless to light yellow liquid

Assay	Min 98.0%
Density (d20°C/4°C)	0.935 - 0.938 g/ml

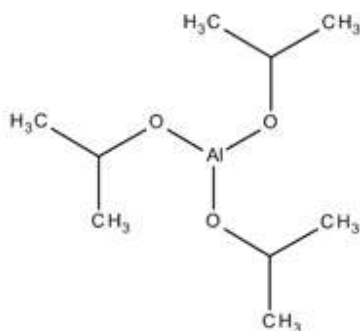
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1100 IMCO Class No.: 3,6.1 Packing Group: I Hazardous Statement: H225-H302-H312-H315-H319-H332-H335-H341-H351-H373-H400 Precaution Statement: P210-P261-P273-P281-P305 + P351 + P338

ALUMINIUM ISOPROPOXIDE 98% EXTRAPURE

Aluminum isopropylate,Aluminum trisopropoxide

Product Code.	00123	Grade	
Purity	98%	CAS No.	555-31-7
Molecular Formula	C ₉ H ₂₁ AlO ₃	Molecular Weight	204.25
H.S.Code	2905.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Alcohol like
Melting point/ Freezing point [°C]	128 - 133 °C	Flash point [°C]	16 °C	Boiling point [°C]	125 - 130 °C
Initial boiling point [°C]	125°C	Final boiling point [°C]	130 °C	Density [g/cm3]	1.035
Solubility in water [% weight]	Decomposes in water				

Packaging



Specification

Appearance	A fine white powder
Assay (complexometric)	Min 98.0%

Melting point

130-134 degC

Safety Information and Hazard Symbols



Symbol: GHS02

Signal Word: Danger

UN No.: 3181

IMCO Class No.: 4.1

Packing Group: II

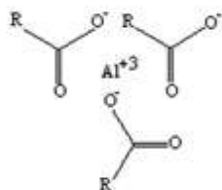
Hazardous Statement: H228

Precaution Statement: P210

ALUMINIUM STEARATE EXTRAPURE

Stearic acid aluminum salt

Product Code.	00133	Grade	
Purity	Min. 6.5-8.9% (asAl ₂ O ₃)	CAS No.	637-12-7
Molecular Formula	[CH ₃ (CH ₂) ₁₆ COO] ₃ Al	Molecular Weight	877.35
H.S.Code	2915.70900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	120 – 130°C
Solubility in water [% weight]	Insoluble in water				

Packaging



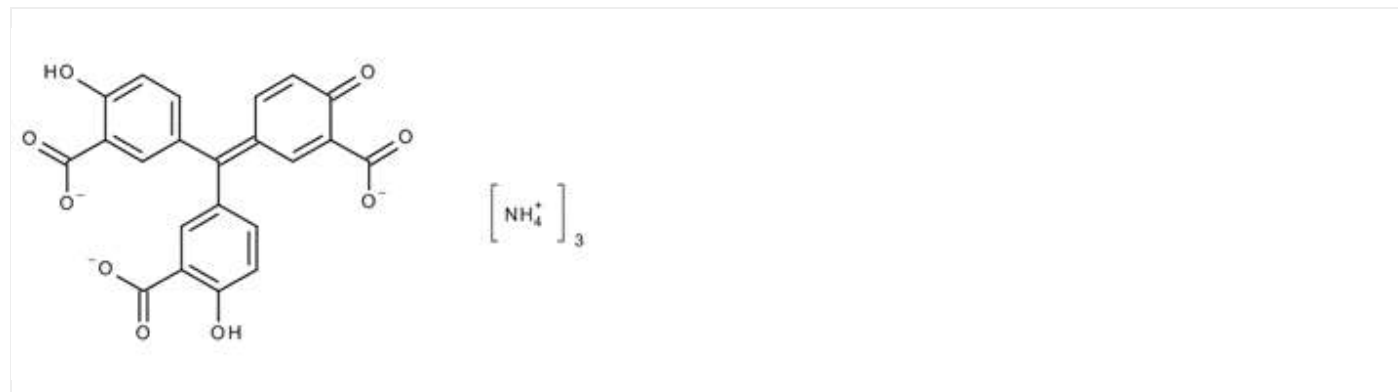
Specification

Appearance	White powder
Assay (as Al ₂ O ₃)	9.5 - 12.5%
Loss on drying	Max 2%
Acetone extractables	Max 6%
Finess 200 mesh	98% passes
Gel streangth (20% gel in xylene)	Forms stable uniform gel

ALUMINON AR

Tri-ammonium aurine tricarboxylate, ATA, Aluminon, Ammonium aurintricarboxylate

Product Code.	00136	Grade	
Purity		CAS No.	569-58-4
Molecular Formula	C22H23N3O9	Molecular Weight	473.44
H.S.Code	2918.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown red	Melting point/ Freezing point [°C]	220 - 225 °C

Packaging



Specification

Appearance	Brown red powder
Molar absorptivity of Al complex	Min 11000.0
Sulphated ash	Max 0.2%
Insoluble matter	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319

Precaution Statement: P305 + P351 + P338

ALUMINON REAGENT SOLUTION

Product Code.	00137	Grade	
Purity		CAS No.	569-58-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	38220090.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

AMARANTH INDICATOR SOLUTION (AZORUBIN S SOLUTION)

Azorubin S Solution ; (C.I. No. 16185)

Product Code.	00139	Grade	
Purity		CAS No.	915-67-3
Molecular Formula	C20H11N2Na3O10S3	Molecular Weight	38220090.00
H.S.Code	0.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

AMIKACIN SULPHATE

Product Code.	00141	Grade	
Purity		CAS No.	39831-55-5
Molecular Formula	C22H43N5O13.2H2SO4	Molecular Weight	781.76
H.S.Code	29419090.00000	Shelf Life	

Physical Properties

Packaging



Specification

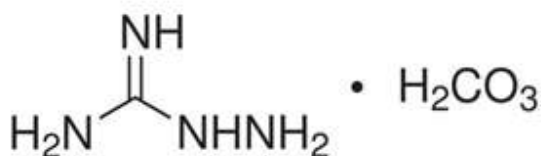
Description	White to off-white powder
Solubility	Freely soluble in water
Assay	Min. 99.0%
pH (1% in water at 25°C)	2.00 - 4.00
Specific rotation [α 25/D] C=2% in water	+76° to +84°

Safety Information and Hazard Symbols

AMINOGUANIDINE BICARBONATE 97% FOR SYNTHESIS

Aminoguanidine hydrogen carbonate

Product Code.	00157	Grade	
Purity	Min. 97%	CAS No.	2582-30-1
Molecular Formula	CH ₆ N ₄ .H ₂ CO ₃	Molecular Weight	136.11
H.S.Code	2928.00900	Shelf Life	60 Months



Packaging



Specification

Appearance	White to Off-White Crystalline Powder
Assay	Min 97.0%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09
Signal Word: Warning
UN No.: 3077
IMCO Class No.: 9
Packing Group: III
Hazardous Statement: H317-H411
Precaution Statement: P273-P280

AMMONIA SOLUTION 25% EXTRAPURE

Specific gravity 0.91 Suitable for Mirror industry Ammonium Hydroxide

Product Code.	00174	Grade	Extrapure
Purity	25%	CAS No.	1336-21-6
Molecular Formula	NH ₄ OH	Molecular Weight	35.05
H.S.Code	2814.20000	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ammonia odour
pH value	11.7	Melting point/ Freezing point [°C]	-60 °C	Auto-ignition temperature [°C]	651°C
Boiling point [°C]	38 - 100 °C	Initial boiling point [°C]	38°C	Final boiling point [°C]	100 °C
Vapour pressure [20°C]	153 hPa at 20 °C	Vapour density	1.21	Density [g/cm ³]	0.9
Solubility in water [% weight]	Infinitely soluble	Explosion limits - upper [%]	27%	Explosion limits -lower [%]	16%

Packaging



Specification

Appearance	Clear colorless solution with a pungent odor

Assay	Min 25.0%
Non volatile matter	Max 0.01%
Chloride (Cl)	Max 0.001%
Sulphate (SO ₄)	Max 0.002%
Arsenic (As)	Max 0.00002%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.0001%

Safety Information and Hazard Symbols

Symbol: GHS05, GHS07, GHS09 Signal Word: Danger UN No.: 2672 IMCO Class No.: 8 Packing Group: III Hazardous Statement: H302-H314-H335-H400 Precaution Statement: P273-P280-P303 + P361 + P353-P304 + P340 + P310-P305 + P351 + P338-P391 Risk Statement: 34-50 Safety Statement: 26-36/37/39-45-61

AMMONIUM PURPURATE SOLUTION

Product Code.	00237	Grade	
Purity		CAS No.	
Molecular Formula		Molecular Weight	0.00
H.S.Code	29335400.00000	Shelf Life	

Physical Properties

Packaging



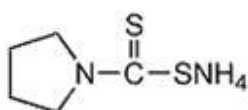
Specification

Safety Information and Hazard Symbols

AMMONIUM PYRROLIDINE DITHIOCARBAMATE 98% AR

1-Pyrrolidinecarbodithioic acid ammonium salt, Ammonium pyrrolidinecarbodithioate

Product Code.	00249	Grade	AR
Purity	98%	CAS No.	5108-96-3
Molecular Formula	C5H12N2S2	Molecular Weight	164.29
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Melting point/ Freezing point [°C]	153 - 155 °C
Solubility in water [% weight]	Soluble in water				

Packaging



Specification

Appearance	White to off-white powder
Assay (as C5H12N2S2)	Min 98.0%
Identity (IR)	Passes test
Insoluble matter	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

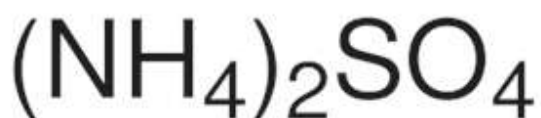
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

AMMONIUM SULPHATE 99% AR

Enzyme grade low in heavy metal content Diammonium Sulphate; : Mascagnite

Product Code.	00243	Grade	AR
Purity	99%	CAS No.	7783-20-2
Molecular Formula	(NH ₄) ₂ SO ₄	Molecular Weight	132.13
H.S.Code	3102.21000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Slight odor of ammonia
pH value	5 - 6	Melting point/ Freezing point [°C]	> 280 °C	Density [g/cm ³]	1.77
Solubility in water [% weight]	750 g/l at 20 °C - completely soluble	Partition coefficient Log Pow octanol / water at 20°C	-5.1		

Packaging



Specification

Appearance	Colorless crystals/ white crystalline powder
Assay (titration)	Min.99.0%
Insoluble matter	Max 0.005%

pH (5% solution in water; 25°C)	5.0 to 6.0
Residue on ignition	Max 0.005 %
Heavy metals (by ICP-OES)	Max 0.0005%
Chloride (Cl)	Max 0.0005%
Nitrate (NO3)	Max 0.001%
Phosphate (PO4)	Max 0.0005%
Iron (Fe)	Max 0.0005%

Safety Information and Hazard Symbols

AMMONIUM SULPHATE 99% FOR MOLECULAR BIOLOGY

Product Code.	00244	Grade	
Purity	Min. 99%	CAS No.	7783-20-2
Molecular Formula	(NH4)2SO4	Molecular Weight	132.14
H.S.Code	31022100.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

ANILINE BLUE SOLUTION (2.5% IN 2% ACETIC ACID)
China Blue Solution ; Cotton Blue Solution

Product Code.	00269	Grade	
Purity		CAS No.	
Molecular Formula		Molecular Weight	0.00
H.S.Code	32041990.00000	Shelf Life	

Physical Properties

Packaging



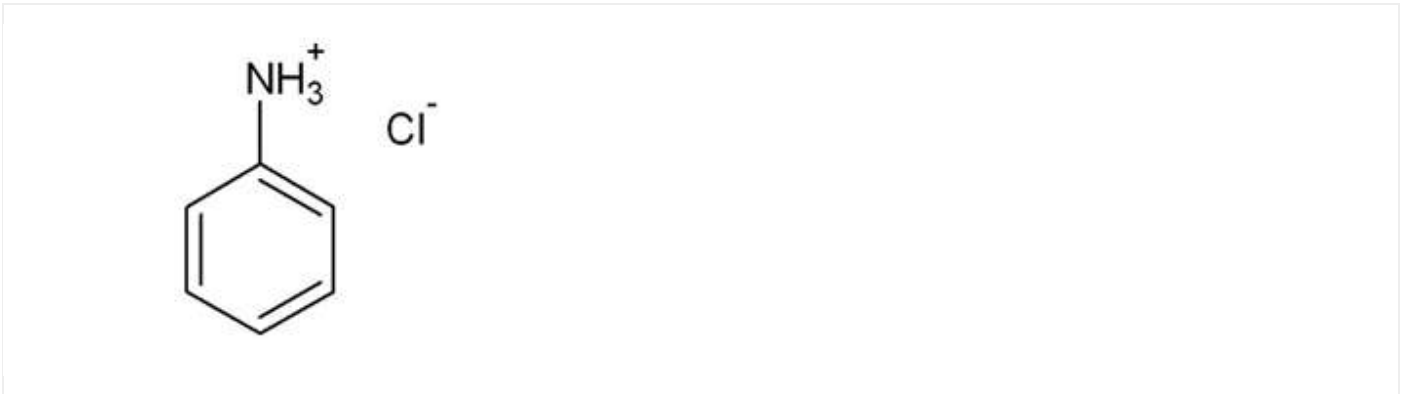
Specification

Safety Information and Hazard Symbols

ANILINE HYDROCHLORIDE 99% FOR SYNTHESIS

Aminobenzene hydrochloride

Product Code.	00270	Grade	
Purity	97%	CAS No.	142-04-1
Molecular Formula	C6H8ClN	Molecular Weight	129.60
H.S.Code	2921.41200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellow crystal	Odour	Weakly amine
Melting point/ Freezing point [°C]	196 - 198 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	194 °C
Boiling point [°C]	245°C	Vapour density	4.46	Density [g/cm3]	1.222
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	White to off white to grey powder or crystals or flakes
Assay	Min 99.0%
Melting range	197-202°C

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 1548

IMCO Class No.: 6.1

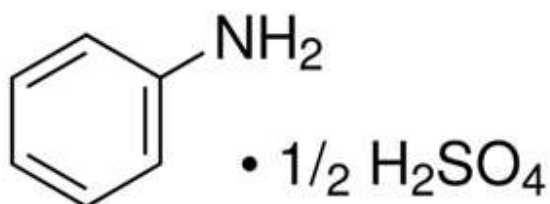
Packing Group: III

Hazardous Statement: H301-H311-H317-H318-H331-H341-H351-H372-H400

Precaution Statement: P261-P273-P280-P301 + P310-P305 + P351 + P338-P311

ANILINE SULPHATE 98% EXTRAPURE

Product Code.	00271	Grade	
Purity	98%	CAS No.	542-16-5
Molecular Formula	C12H14N2·H2SO4	Molecular Weight	284.33
H.S.Code	2921.41900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Relative density, gas (air=1)	1.377
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	Off-white crystalline powder
Assay	Min 98%
Sulphated ash	Max 0.1%

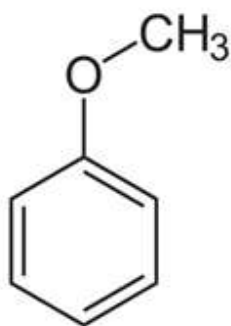
Safety Information and Hazard Symbols


Symbol: GHS05, GHS06, GHS08, GHS09 Signal Word: Danger UN No.: 2811 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301 + H311 + H331-H317-H318-H341-H351-H372-H410 Precaution Statement: P261-P273-P280-P301 + P310-P305 + P351 + P338-P311 Risk Statement: 23/24/25-40-41-43-48/23/24/25-50-68 Safety Statement: 26-27-36/37/39-45-61-63

ANISOLE 99% FOR SYNTHESIS

Methoxybenzene, Methyl phenyl ether

Product Code.	00278	Grade	
Purity	99%	CAS No.	100-66-3
Molecular Formula	C7H8O	Molecular Weight	108.14
H.S.Code	2909.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Sweet anise-like odor
Melting point/ Freezing point [°C]	-37 °C	Auto-ignition temperature [°C]	475 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	51.7 °C	Boiling point [°C]	154 °C	Vapour pressure [20°C]	13 hPa at 20 °C
Vapour density	3.72	Density [g/cm3]	0.995	Relative density, gas (air=1)	3.73
Solubility in water [% weight]	Insoluble	Solubility in water	Insoluble	Partition coefficient Log Pow octanol / water at 20°C	2.1

Packaging



Specification

Appearance	Clear colourless liquid with characteristic odor
Assay	Min 99.0%
Density (at 25°C)	0.992-0.994
Boiling Point	156°C

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Warning UN No.: 2222 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226 Precaution Statement: P210-P370 + P378

ANISOLE AR
Methoxybenzene

Product Code.	00279	Grade	AR
Purity	99.0%	CAS No.	100-66-3
Molecular Formula	C7H8O	Molecular Weight	108.14
H.S.Code	29093090.00000	Shelf Life	

Physical Properties

Packaging



Specification

Description	Clear colourless liquid with characteristic odour
Purity (by GC)	Min 99.0%
Density at 20°C	0.992-0.994 g/ml
Boiling point	About 156°C

Safety Information and Hazard Symbols



ANITHOLE OIL EXTRAPURE

Product Code.	00279A	Grade	Extra pure
Purity		CAS No.	
Molecular Formula		Molecular Weight	0.00
H.S.Code	33012590.00000	Shelf Life	

Physical Properties

Packaging



Specification

Description	Almost colorless slightly
Melting point	+20°C to +21°C
Sp. Gr.	0.983 – 0.989
Refractive Index	1.558 – 1.561
Solubility	Slightly soluble in water, miscible with alcohol and oils poorly soluble in Glycerin

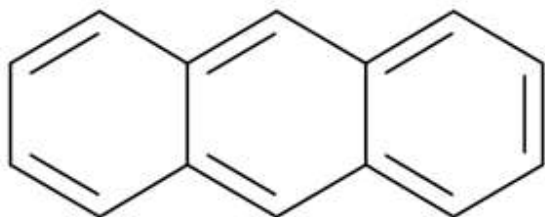
Safety Information and Hazard Symbols



ANTHRACENE 96% EXTRAPURE

Anthracene, Paranaphthalene

Product Code.	00280	Grade	Extrapure
Purity	96%	CAS No.	120-12-7
Molecular Formula	C14H10	Molecular Weight	178.22
H.S.Code	2902.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Buff coloured powder	Odour	Faint aromatic odor
Melting point/ Freezing point [°C]	214 - 216 °C	Auto-ignition temperature [°C]	540°C	Flash point [°C]	121°C
Boiling point [°C]	340 °C	Vapour pressure mm/Hg	1mm Hg @ 1450C	Vapour density	6.15
Density [g/cm3]	1.24	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	4.45
Explosion limits -lower [%]	0.60%				

Packaging



Specification

Appearance	White to off-white to light yellow to green beige to Buff colored powder or crystals
Assay	Min 96%
Melting range	213 - 216 °C

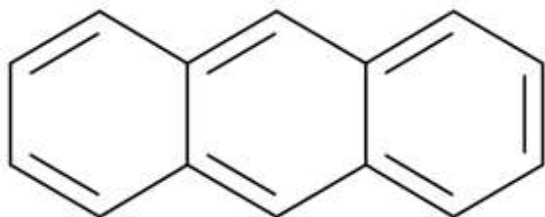
Safety Information and Hazard Symbols


Symbol: GHS07, GHS09 Signal Word: Warning UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H315-H319-H335-H410 Precaution Statement: P261-P273-P305 + P351 + P338-P501

ANTHRACENE 99% SCINTILLATION GRADE

Anthracene, Paranaphthalene

Product Code.	00281	Grade	
Purity	99%	CAS No.	120-12-7
Molecular Formula	C14H10	Molecular Weight	178.22
H.S.Code	2902.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Buff coloured powder	Odour	Faint aromatic odor
Melting point/ Freezing point [°C]	214 - 216 °C	Auto-ignition temperature [°C]	540°C	Flash point [°C]	121°C
Boiling point [°C]	340 °C	Vapour pressure mm/Hg	1mm Hg @ 1450C	Vapour density	6.15
Density [g/cm3]	1.24	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	4.45
Explosion limits -lower [%]	0.60%				

Packaging



Specification

Appearance	White to off-white to light yellow to buff to green beige powder or crystals
Assay	Min 99.0%
Melting point	214 - 217 °C
Suitability (as scintillator)	Passes test
Water (H2O)	Max 0.1%

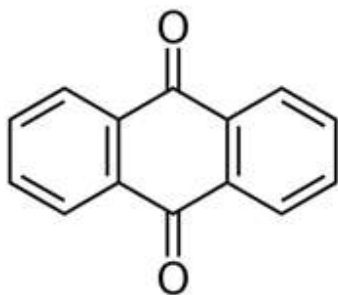
Safety Information and Hazard Symbols


Symbol: GHS07, GHS09 Signal Word: Warning UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H315-H319-H335-H410 Precaution Statement: P261-P273-P305 + P351 + P338-P501

ANTHRAQUINONE (FOR SYNTHESIS)

9,10-Anthraquinone

Product Code.	00282	Grade	
Purity	97%	CAS No.	84-65-1
Molecular Formula	C ₁₄ H ₈ O ₂	Molecular Weight	208.22
H.S.Code	2914.69900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light yellow to green	Melting point/ Freezing point [°C]	283 - 287 °C
Auto-ignition temperature [°C]	650°C	Flash point [°C]	185 °C	Boiling point [°C]	379 - 381 °C
Initial boiling point [°C]	379°C	Final boiling point [°C]	381 °C	Vapour pressure mm/Hg	1 mm Hg @ 1900C
Vapour density	7.16	Density [g/cm ³]	1.44	Solubility in water [% weight]	0.00013 g/l at 22 °C
Partition coefficient Log Pow octanol / water at 20°C	3.39				

Packaging

Specification

Appearance	Light yellow / green crystals
Assay (HPLC, area%)	Min 97%
Identity (IR)	Passes test

Melting range

283 - 288°C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

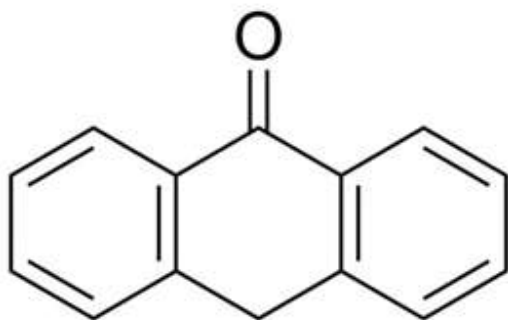
Hazardous Statement: H312-H317-H332

Precaution Statement: P280

ANTHRONE 98% FOR SYNTHESIS

9(10H)-Anthracenone

Product Code.	00283	Grade	For Synthesis
Purity	98%	CAS No.	90-44-8
Molecular Formula	C14H10O	Molecular Weight	194.23
H.S.Code	2914.39200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow crystalline	Odour	Slight characteristic odor
Melting point/ Freezing point [°C]	154 - 160 °C	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Yellow crystalline powder
Purity (by GC)	Min 98.0%
Identity (IR)	Conforms to structure

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

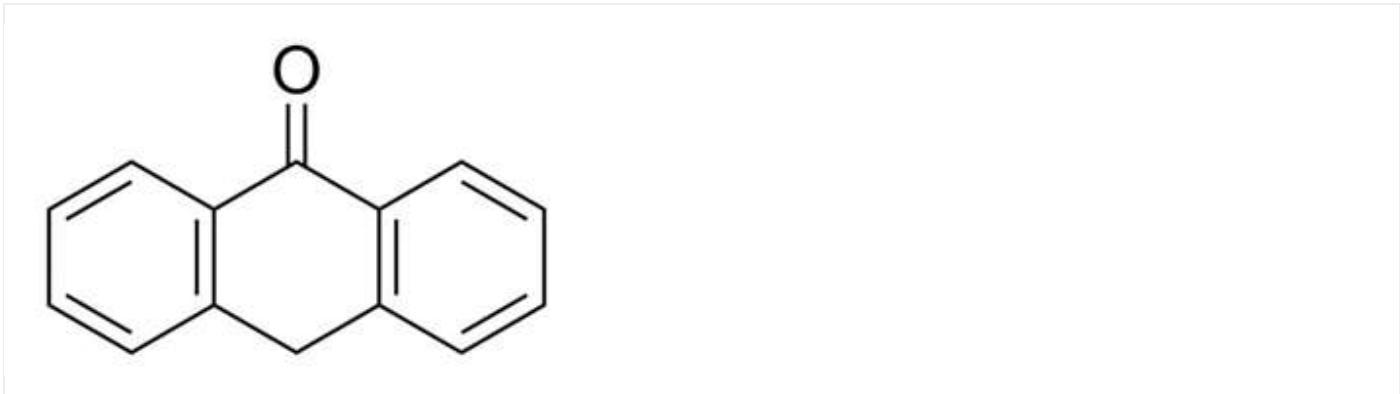
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

ANTHRONE 99% AR

9(10H)-Anthracenone

Product Code.	00284	Grade	
Purity	98%	CAS No.	90-44-8
Molecular Formula	C14H10O	Molecular Weight	194.23
H.S.Code	2914.39200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow crystalline	Odour	Slight characteristic odor
Melting point/ Freezing point [°C]	154 - 160 °C	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Yellow crystalline powder
Assay (GC area %)	Min 98%
Identity (IR)	Conforms to structure
Sensitivity for carbohydrates	Passes test

Melting range	Max 5°C range, including 156°C
UV absorbance of reagent solution	Passes ACS test
Solubility in ethyl acetate	Passes test
Iron (Fe)	Max 0.001%
Water (by KF)	Max 0.5%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

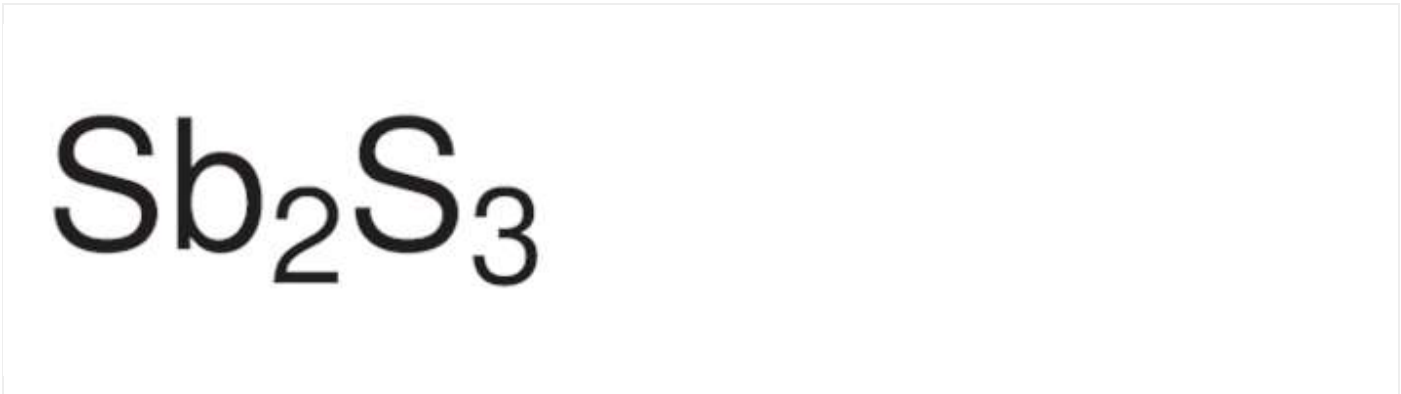
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

ANTIMONY (III) SULPHIDE BLACK 95% EXTRAPURE

Antimony Trisulphide , ANTIMONY (III) SULPHIDE BLACK

Product Code.	00294	Grade	
Purity	95%	CAS No.	1345-04-6
Molecular Formula	Sb2S3	Molecular Weight	339.72
H.S.Code	2830.90100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
Melting point/ Freezing point [°C]	550 °C	Density [g/cm3]	4.64	Solubility in water [% weight]	Insoluble in water

Packaging



Specification

Appearance	A black powder
Assay	Min 95%
Insoluble matter in HCl	Max 1.0%
Iron (Fe)	Max 1.0%
Arsenic (As)	Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 1549

IMCO Class No.: 6.1

Packing Group: III

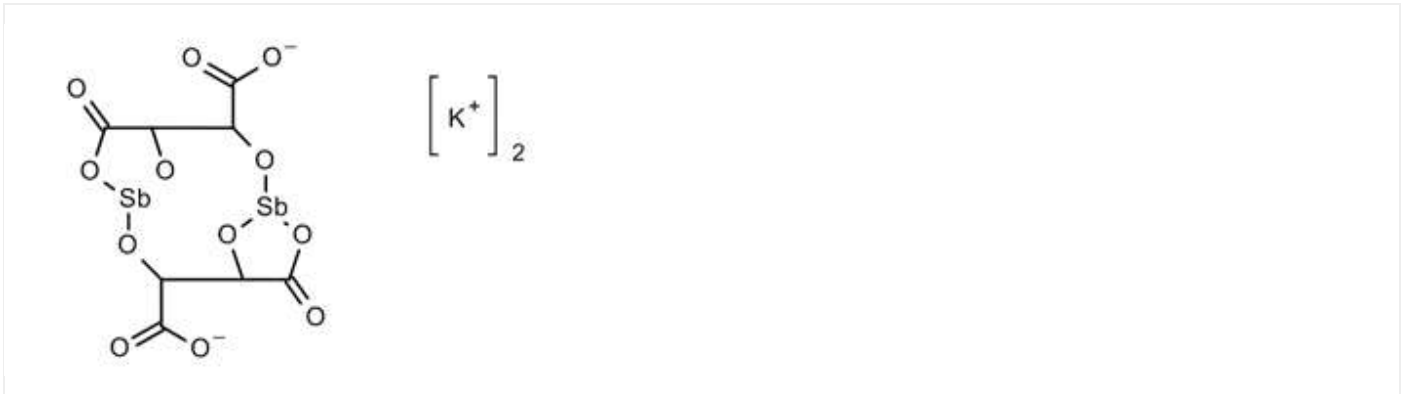
Hazardous Statement: H302-H332-H411

Precaution Statement: P273

ANTIMONY POTASSIUM TARTRATE TRIHYDRATE 98.5% EXTRAPURE

Potassium antimony tartrate, Potassium antimony (III) oxide tartrate

Product Code.	00292	Grade	Extrapure
Purity	98.5%	CAS No.	28300-74-5
Molecular Formula	C8H4K2O12Sb2·3H2O	Molecular Weight	667.87
H.S.Code	2918.13900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	Slightly acidic	Melting point/ Freezing point [°C]	100 °C	Density [g/cm3]	2.6
Solubility in water [% weight]	8 g/100 ml water @ 20C				

Packaging



Specification

Appearance	White crystalline powder
Assay	Min 98.5%
Arsenic (As)	Max 0.015%
Loss on drying	Max 2.7%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 1551

IMCO Class No.: 6.1

Packing Group: III

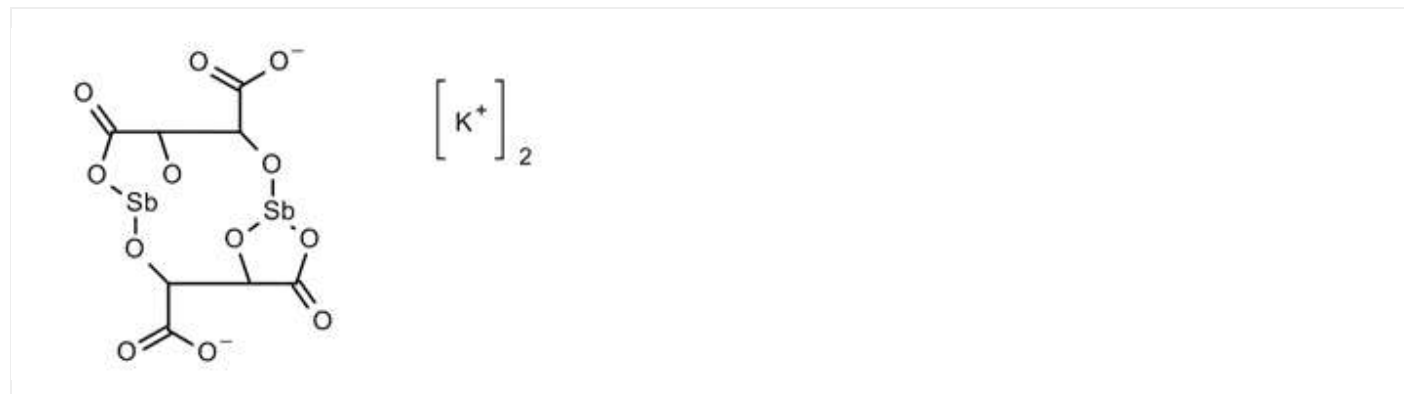
Hazardous Statement: H302-H332-H411

Precaution Statement: P273

ANTIMONY POTASSIUM TARTRATE TRIHYDRATE 99% AR

Potassium antimony tartrate, Potassium antimony (III) oxide tartrate

Product Code.	00293	Grade	AR
Purity	99%	CAS No.	28300-74-5
Molecular Formula	C ₈ H ₄ K ₂ O ₁₂ Sb ₂ ·3H ₂ O	Molecular Weight	667.87
H.S.Code	2918.13900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	Slightly acidic	Melting point/ Freezing point [°C]	100 °C	Density [g/cm ³]	2.6
Solubility in water [% weight]	8 g/100 ml water @ 20C				

Packaging



Specification

Appearance	White crystalline powder
Assay (as C ₈ H ₄ K ₂ O ₁₂ Sb ₂ ·3H ₂ O; iodometric)	99.0-103.0%
Optical rotation (c=2%; H ₂ O)	+137 to +145°

Arsenic (As)	Max. 0.015%
Loss on drying	Max. 2.7%
Titration acid or base	Max. 0.020 meq/g

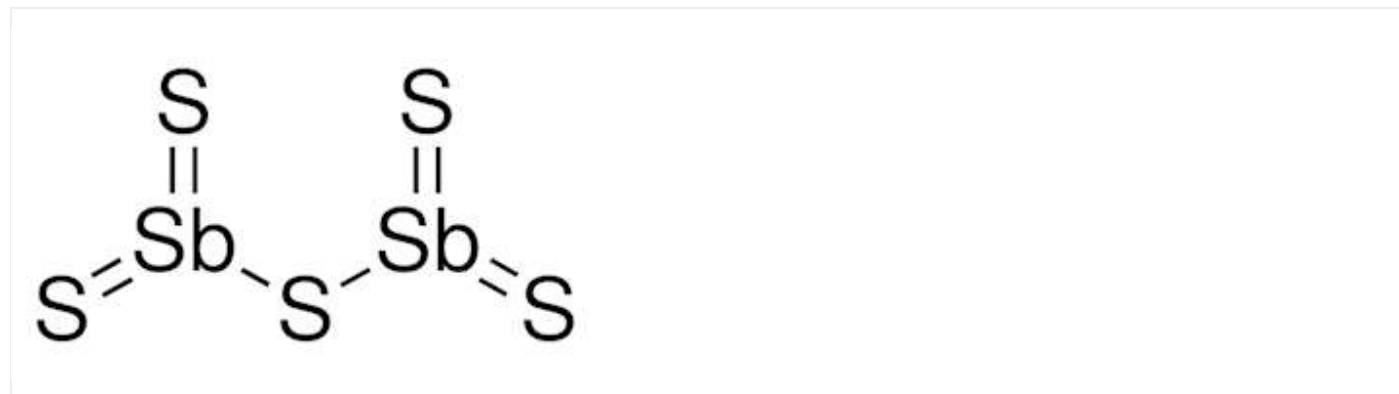
Safety Information and Hazard Symbols


Symbol: GHS07, GHS09 Signal Word: Warning UN No.: 1551 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H302-H332-H411 Precaution Statement: P273

ANTIMONY SULPHIDE GOLDEN EXTRAPURE

Antimony pentasulphide (Golden)

Product Code.	00295	Grade	
Purity		CAS No.	1315-04-4
Molecular Formula	Sb ₂ S ₅	Molecular Weight	403.82
H.S.Code	2830.90100	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow orange powder	Odour	Odorless

Packaging



Specification

Appearance	Yellowish Orange Powder
Assay (as Sb)	About 60.0%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS09

Signal Word: Danger

UN No.: 3178

IMCO Class No.: 4.1

Packing Group: II

Hazardous Statement: H228-H302-H332-H411

Precaution Statement: P210-P273

ANTIMONY TRICHLORIDE 98.5% EXTRAPURE

Antimony Trichloride

Product Code.	00287	Grade	
Purity	98.5%	CAS No.	10025-91-9
Molecular Formula	SbCl ₃	Molecular Weight	228.12
H.S.Code	2827.39900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White Crystalline	Odour	Pungent Odour
Melting point/ Freezing point [°C]	73.4 °C	Boiling point [°C]	283 °C	Vapour pressure [20°C]	0.28 hPa at 20 °C
Vapour density	7.9	Density [g/cm ³]	3.14	Solubility in water [% weight]	Soluble in water

Packaging



Specification

Appearance	Colorless crystals
Assay	Min 98.5%
Iron (Fe)	Max 0.002%

Safety Information and Hazard Symbols

 
Symbol: GHS05, GHS09 Signal Word: Danger UN No.: 1733 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H314-H411 Precaution Statement: P273-P280-P305 + P351 + P338-P310

ANTIMONY TRICHLORIDE 99% AR

ANTIMONY TRICHLORIDE 99% AR/ACS Antimony (III) Chloride

Product Code.	00288	Grade	
Purity	99%	CAS No.	10025-91-9
Molecular Formula	SbCl3	Molecular Weight	228.12
H.S.Code	2827.39900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White Crystalline	Odour	Pungent Odour
Melting point/ Freezing point [°C]	73.4 °C	Boiling point [°C]	283 °C	Vapour pressure [20°C]	0.28 hPa at 20 °C
Vapour density	7.9	Density [g/cm3]	3.14	Solubility in water [% weight]	Soluble in water

Packaging



Specification

Appearance	Colorless crystals
Assay	Min 99%
Substance insoluble in chloroform	Max 0.02%
Substance insoluble in HCl	Max 0.005%
Sulphate (SO4)	Max 0.005%
Arsenic (As)	Max 0.0005%
Calcium (Ca)	Max 0.005%
Lead (Pb)	Max 0.003%
Iron (Fe)	Max 0.002%

Copper (Cu)	Max 0.0005%
Sodium (Na)	Max 0.005%
Potassium (K)	Max 0.01%

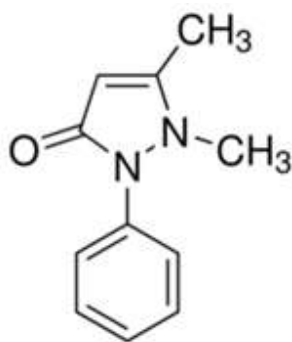
Safety Information and Hazard Symbols


Symbol: GHS05, GHS09 Signal Word: Danger UN No.: 1733 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H314-H411 Precaution Statement: P273-P280-P305 + P351 + P338-P310

ANTIPYRINE (PHENAZONE) 99%

PHENAZONE

Product Code.	00296	Grade	99%
Purity	99%	CAS No.	60-80-0
Molecular Formula	C ₁₁ H ₁₂ N ₂ O	Molecular Weight	188.23
H.S.Code	2933.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	5.8 - 7.0	Melting point/ Freezing point [°C]	109 - 114 °C	Decomposition point [°C]	360°C
Auto-ignition temperature [°C]	400°C	Boiling point [°C]	319°C	Density [g/cm ³]	1.19
Solubility in water [% weight]	1000 g/l (20°C)				

Packaging



Specification

Appearance	White crystalline powder
Assay	Min 99.0%
Melting point	109 - 111 °C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

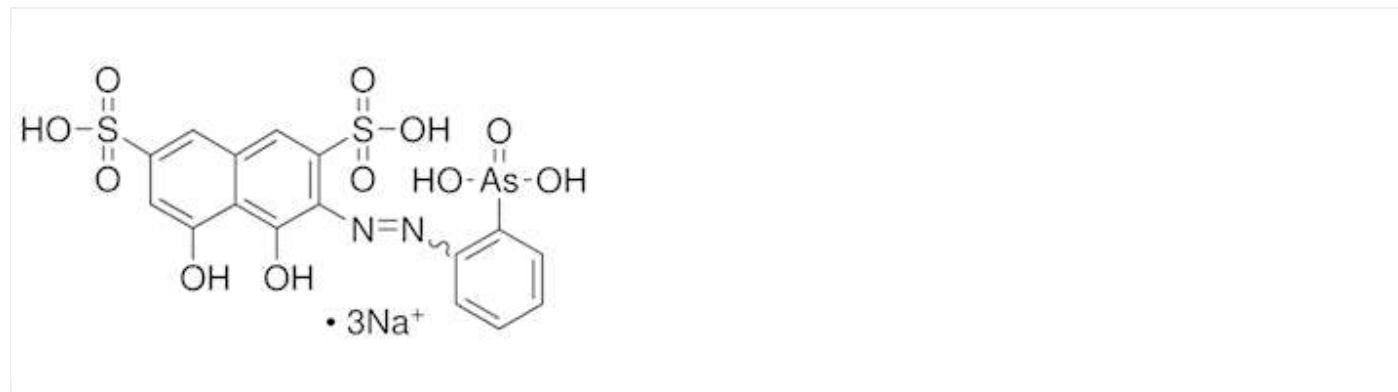
Hazardous Statement: H302-H315-H317-H319-H335

Precaution Statement: P261-P280-P305 + P351 + P338

ARSENAZO I AR (NEOTHORONE)

Neothoron , Reagent for thorium

Product Code.	00301	Grade	520-10-5
Purity		CAS No.	66019-20-3
Molecular Formula	C ₁₆ H ₁₀ O ₁₁ N ₂ S ₂ Na ₃ As	Molecular Weight	614.27
H.S.Code	2931.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red brown

Packaging



Specification

Appearance	Dark red powder
Absorption maxima in water	About 499 nm

Safety Information and Hazard Symbols



Symbol: GHS06, GHS09

Signal Word: Danger

UN No.: 3465

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H301-H331-H410

Precaution Statement: P261-P273-P301 + P310-P311-P501

ARSENAZO III AR

Reagent for Thorium, uranium and zirconium 2,2'-(1,8-Dihydroxy-3,6-disulfonaphthylene-2,7-bisazo)bisbenzenearsonic acid, 2,7-Bis(2-arsonophenylazo)chromotropic acid

Product Code.	00302	Grade	
Purity		CAS No.	62337-00-2
Molecular Formula	C22H16As2N4Na2O14S2.4H2O	Molecular Weight	892.40
H.S.Code	2931.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark brown	Melting point/ Freezing point [°C]	> 320 °C
Vapour density	6.25				

Packaging



Specification

Appearance	Black crystalline powder
Absorption maxima (buffer pH 10.0)	about 533 nm
Specific absorptivity A1%/1cm (at I _{max} ; 0.0025%; buffer pH 10.0)	300-450
Loss on dryig (at 110°C)	Max 10.0%
Suitability (as indicator)	Passes test

Safety Information and Hazard Symbols

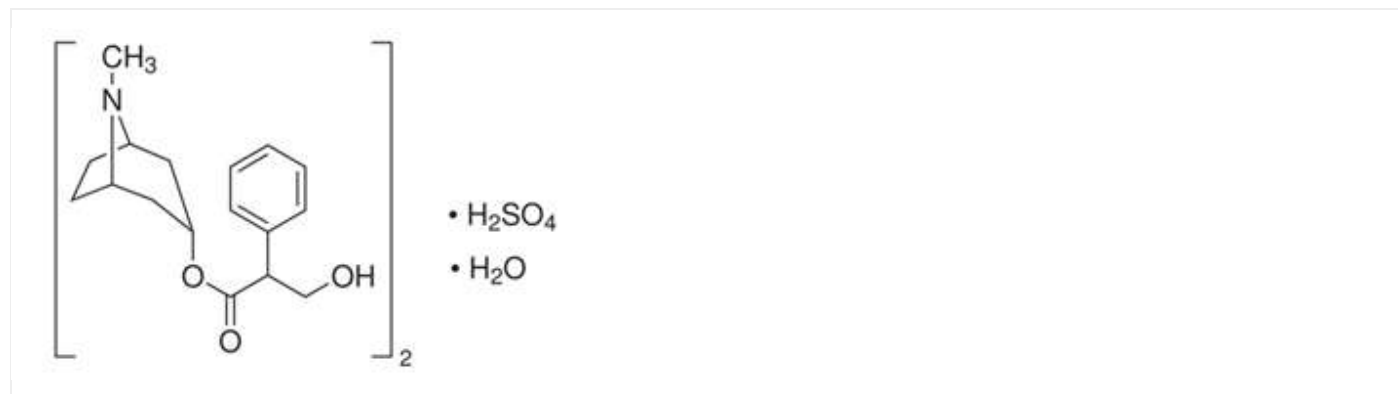


Symbol: GHS06, GHS09
Signal Word: Danger
UN No.: 3465
IMCO Class No.: 6.1
Packing Group: II
Hazardous Statement: H301 + H331-H410
Precaution Statement: P261-P273-P301 + P310-P311-P501

ATROPINE SULPHATE MONOHYDRATE 99% AR

(Confirms to IP) a-(Hydroxymethyl)benzeneacetic acid 8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester;
Tropine tropate

Product Code.	00312	Grade	
Purity	98%	CAS No.	5908-99-6
Molecular Formula	C34H48N2O10S.H2O	Molecular Weight	694.83
H.S.Code	3004.49100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	192°C
Solubility in water [% weight]	2.500 g/l at 4 °C				

Packaging

Specification

Appearance	Colourless crystals or a white crystalline powder; odourless
Assay (potentiometric; on anhydrous basis)	98% - 101.0%
Identifications	To comply IP tests
pH (2% w/v solution)	4.5 to 6.2
Related substance (by HPLC)	
Individual impurity	Max 0.3%
Sum of all impurities	Max 0.5%
Specific optical rotation (10% w/v solution)	-0.50° to +0.05°

Apoatropine (absorbance of a 0.1 per cent w/v solution in 0.01 M hydrochloric acid at about 245 nm)	Max 0.4
Foreign alkaloids and decomposition products (by TLC)	To comply IP test
Sulphated ash	Max 0.2%
Water (by KF)	Max 4.0%

Safety Information and Hazard Symbols



Symbol: GHS06
 Signal Word: Danger
 UN No.: 1544
 IMCO Class No.: 6.1
 Packing Group: II
 Hazardous Statement: H300-H330
 Precaution Statement: P260-P264-P284-P301 + P310-P310

AURIC CHLORIDE (AU 25%) (GOLD CHLORIDE)
(Gold Chloride)

Product Code.	00314	Grade	
Purity	Min 25%	CAS No.	16903-35-8
Molecular Formula	HAuCl4.xH2O	Molecular Weight	303.84
H.S.Code	28433000.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

AURIC CHLORIDE (AU 49%) (GOLD CHLORIDE)

Gold Chloride

Product Code.	00315	Grade	
Purity	Min. 49%	CAS No.	16903-35-8
Molecular Formula	HAuCl4.xH2O	Molecular Weight	303.84
H.S.Code	28433000.00000	Shelf Life	

Physical Properties

Packaging

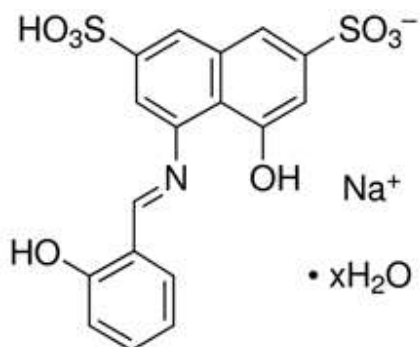
Specification

Safety Information and Hazard Symbols

AZOMETHINE-H-MONOSODIUM SALT HYDRATE 95% AR

(Reagent for the determination of boron) 4-Hydroxy-5-(2-hydroxybenzylideneamino)-naphthalene-2,7-disulfonic acid monosodium salt hydrate; 4-Hydroxy-5-(salicylideneamino)-2,7-naphthalenedisulfonic acid monosodium salt

Product Code.	00320A	Grade	
Purity	90%	CAS No.	206752-32-1
Molecular Formula	C ₁₇ H ₁₂ NNaO ₈ S ₂ · xH ₂ O	Molecular Weight	445.40
H.S.Code	2925.29900	Shelf Life	60 Months



Physical Properties

Packaging



Specification

Appearance	Yellow to orange powder
Identity (IR)	Passes test
Assay (HPLC, area%)	Min 95.0%
Water (by KF)	Max 8.0%
Specific absorptivity A 1%/1cm (236 nm; 0.005%; 1 cm; buffer solution pH 5.1)	Min 1200.0
Suitability (for photometric determination of boron)	Conforms

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

BALSAM CANADA (COLOURLESS)

Product Code.	00326	Grade	
Purity		CAS No.	
Molecular Formula		Molecular Weight	0.00
H.S.Code	13012000.00000	Shelf Life	

Physical Properties

Packaging



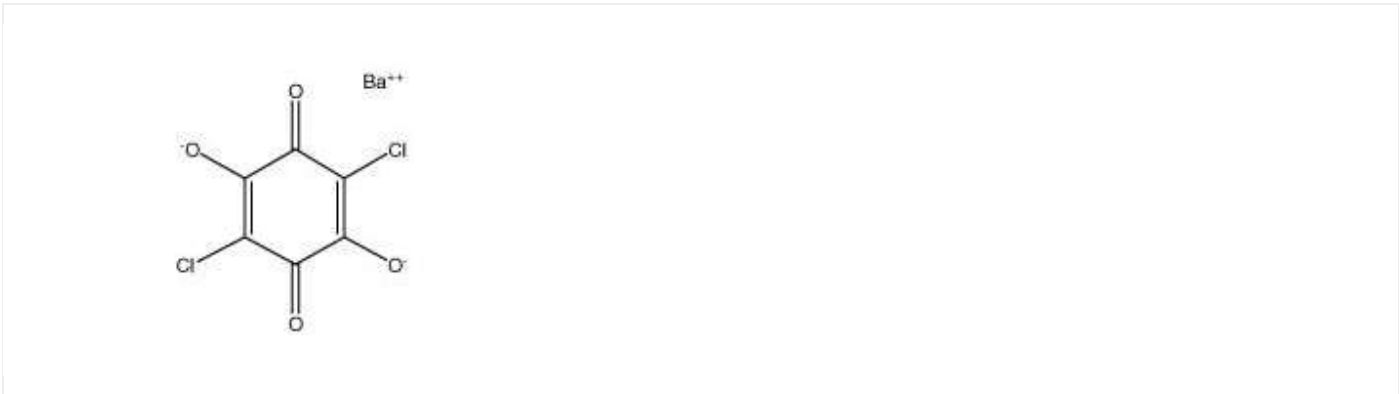
Specification

Safety Information and Hazard Symbols

BARIUM CHLORANILATE AR (TRIHYDRATE)

Chloranilic Acid Barium Salt

Product Code.	00337	Grade	
Purity	98.5%	CAS No.	32458-20-1
Molecular Formula	C6BaCl2O4.3H2O	Molecular Weight	398.36
H.S.Code	2827.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Maroon powder

Packaging



Specification

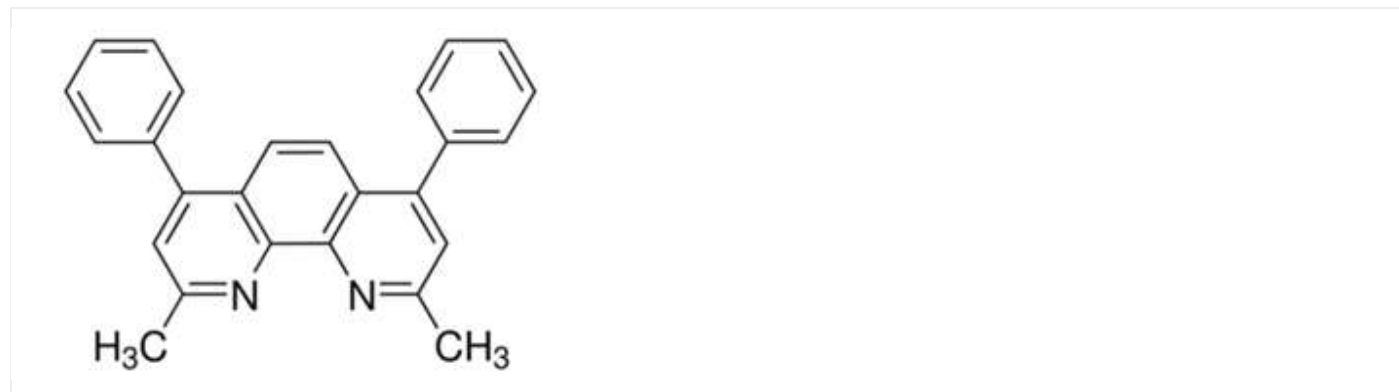
Appearance	Maroon coloured powder
Assay (complexometric; on anhydrous basis)	Min 98.5%
Water (H2O)	12 - 14%
Suitability (for determination of sulphate)	Passes test

Safety Information and Hazard Symbols

BATHOCUPROINE 99% AR

2,9-Dimethyl-4,7-Diphenyl-1,10-Phenanthroline

Product Code.	00354	Grade	
Purity	99%	CAS No.	4733-39-5
Molecular Formula	C ₂₆ H ₂₀ N ₂	Molecular Weight	360.46
H.S.Code	2933.52000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow powder	Melting point/ Freezing point [°C]	279 - 283 °C
Partition coefficient Log Pow octanol / water at 20°C	7.516				

Packaging



Specification

Appearance	Yellow brown powder
Assay	Min 99.0%
Melting point	282-285 deg C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

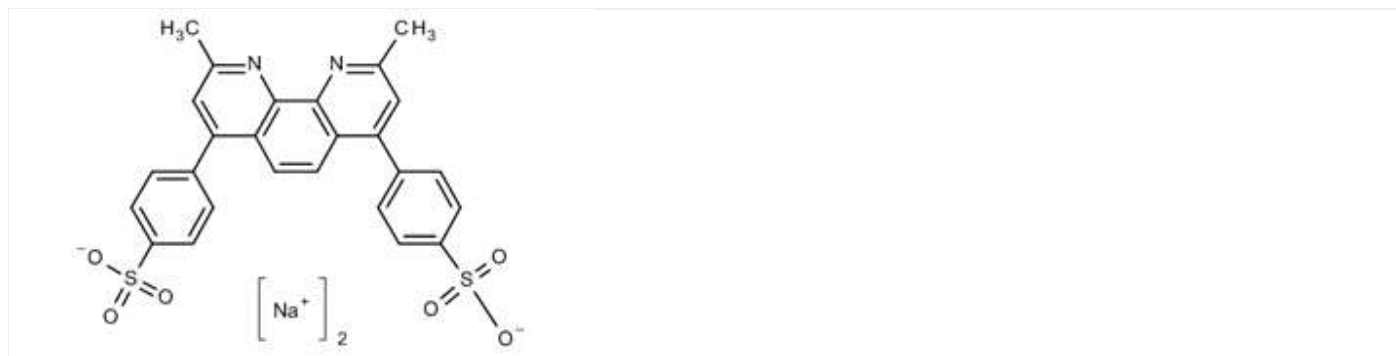
Hazardous Statement: H302-H413

Safety Statement: 22-24/25

BATHOCUPROINE DISULPHONIC ACID DISODIUM SALT 98.5% AR

Suitable for use in the determination of Uric Acid by automated procedure reagent for the colorimetric determination of copper 2,9-Dimethyl-4,7-diphenyl-1,10-phenantrolinedisulfonic acid disodium salt, Disodium bathocuproinedisulfonate

Product Code.	00355	Grade	
Purity	98.5%	CAS No.	52698-84-7
Molecular Formula	C ₂₆ H ₁₈ N ₂ Na ₂ O ₆ S ₂	Molecular Weight	564.55
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Greyish brown powder	Odour	Odorless
Melting point/ Freezing point [°C]	>300°C	Decomposition point [°C]	>300°C	Solubility in water [% weight]	Soluble in water

Packaging



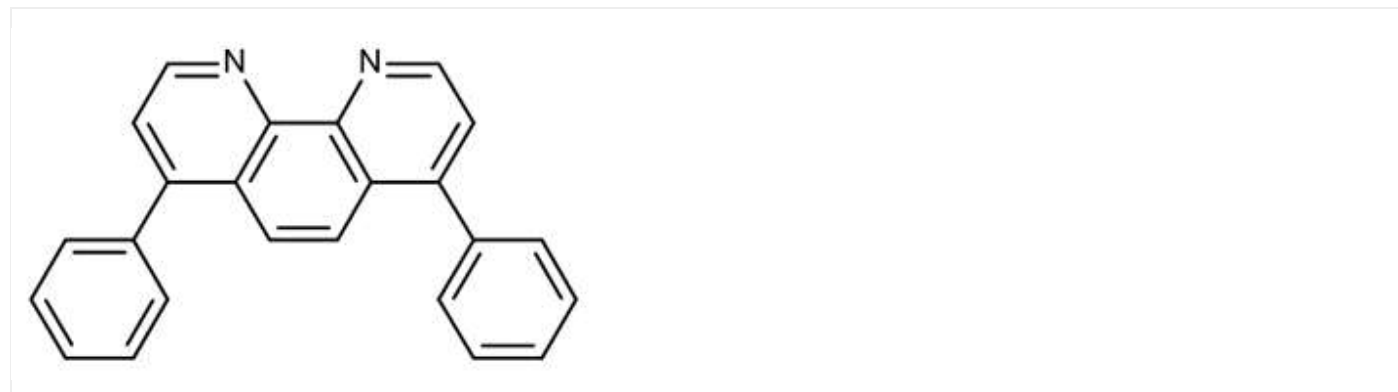
Specification

Appearance	Grayish brown powder
Assay (by HClO ₄ titration; on anhydrous basis)	Min 98.5%
Water (H ₂ O)	Max 10%
Suitability	Passes test

BATHOPHENANTHROLINE 99% AR

Reagent for colorimetric determination of iron 4,7-Diphenyl-1,10-phenanthroline, BPhen

Product Code.	00356	Grade	
Purity	99%	CAS No.	1662-01-7
Molecular Formula	C ₂₄ H ₁₆ N ₂	Molecular Weight	332.41
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light yellow	Melting point/ Freezing point [°C]	218 - 220 °C

Packaging



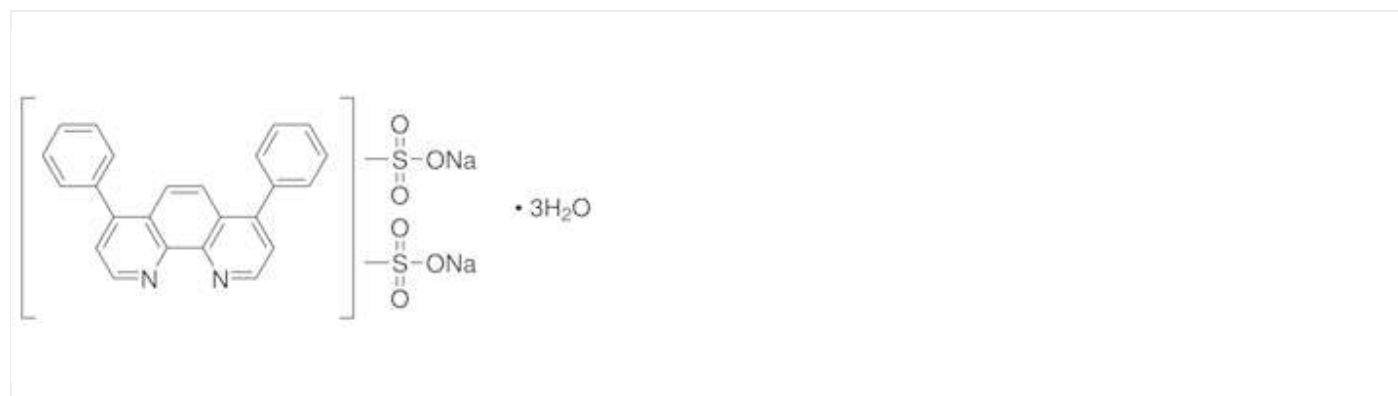
Specification

Appearance	White to Light Yellow Powder, Needles, Flakes or Crystals
Assay	Min 99.0%
Melting point	218 - 220 deg C
Sulphated ash	Max 0.1%
Sensitivity for Fe	Passes test

BATHOPHENANTHROLINE DISULPHONIC ACID DISODIUM SALT 99% AR

Water soluble, permits Fe determination to be made in aqueous medium without need for solvent extraction 2,9-Dimethyl-4,7-diphenyl-1,10-phenantrolinedisulfonic acid disodium salt, Disodium bathocuproinedisulfonate

Product Code.	00357	Grade	
Purity	99%	CAS No.	53744-42-6
Molecular Formula	C ₂₄ H ₁₄ N ₂ Na ₂ O ₆ S ₂ ·3H ₂ O	Molecular Weight	590.54
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish powder	Melting point/ Freezing point [°C]	300 °C

Packaging



Specification

Appearance	White to orange/pink powder
Assay	Min 99.0%

Safety Information and Hazard Symbols

BEAM'S REAGENT SOLUTION

Product Code.	00357B	Grade	
Purity		CAS No.	
Molecular Formula		Molecular Weight	0.00
H.S.Code	38220090.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

BENEDICT’S URIC ACID REAGENTS

(unic acid reagents)

Product Code.	00363A	Grade	
Purity		CAS No.	
Molecular Formula		Molecular Weight	0.00
H.S.Code	38220090.00000	Shelf Life	

Physical Properties

Packaging



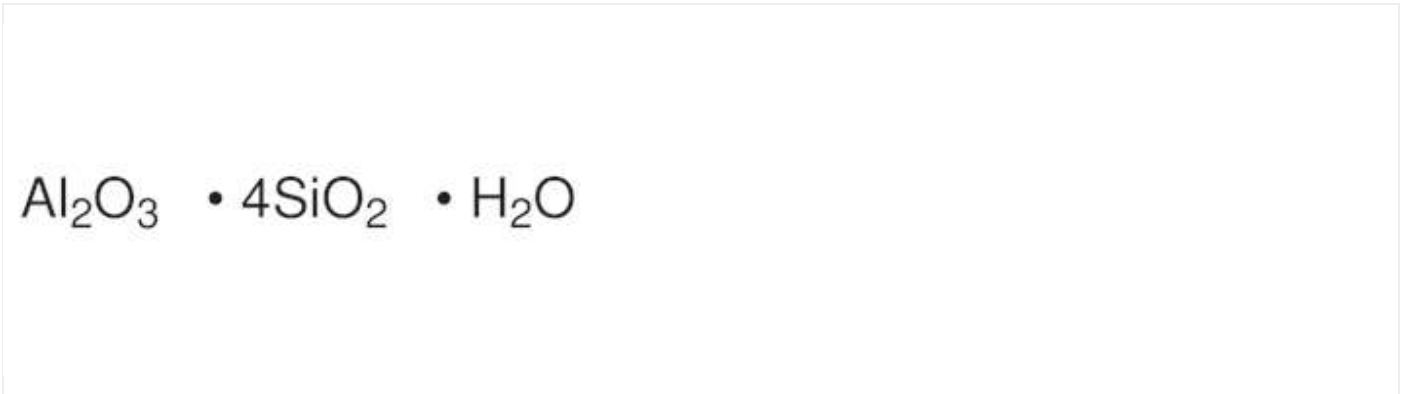
Specification

Safety Information and Hazard Symbols

BENTONITE POWDER

Confirms to BP Aluminium Silicate Hydrate

Product Code.	00364	Grade	
Purity		CAS No.	1302-78-9
Molecular Formula		Molecular Weight	0.00
H.S.Code	2508.10900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Creamish brown	Odour	Odorless
pH value	6 - 9	Density [g/cm3]	2.5	Solubility in water [% weight]	Slightly soluble in water

Packaging



Specification

Appearance	Creamish brown colored powder
Loss on drying (at 105°C)	5 - 12%
Solubility	Passes test
Identification	Passes test

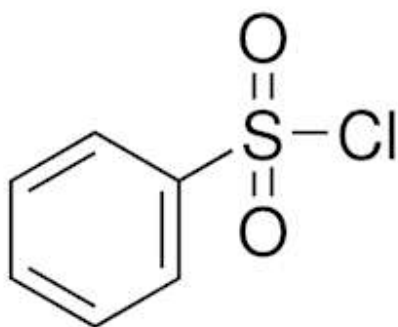
pH (2% w/v solution in water)	9-10.5%
Arsenic (As)	Max 0.0008%
Sedimentation value	Max 2 ml
Swelling power	Min 24 ml
Coarse particles	Max 0.1 gm remains on 200 no. sieve

Safety Information and Hazard Symbols

BENZENESULPHONYL CHLORIDE 98% FOR SYNTHESIS

Benzenesulfochloride

Product Code.	00373	Grade	
Purity	98%	CAS No.	98-09-9
Molecular Formula	C6H5ClO2S	Molecular Weight	176.62
H.S.Code	2904.99900	Shelf Life	60 Months



Packaging



Specification

Appearance	Clear liquid
Colour scale	Max 20 APHA
Infrared spectrum	Passes test
Assay (GC area %)	Min 98.0%
Density (at 25°C)	1.377-1.379

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS08

Signal Word: Danger

UN No.: 2225

IMCO Class No.: 8

Packing Group: III

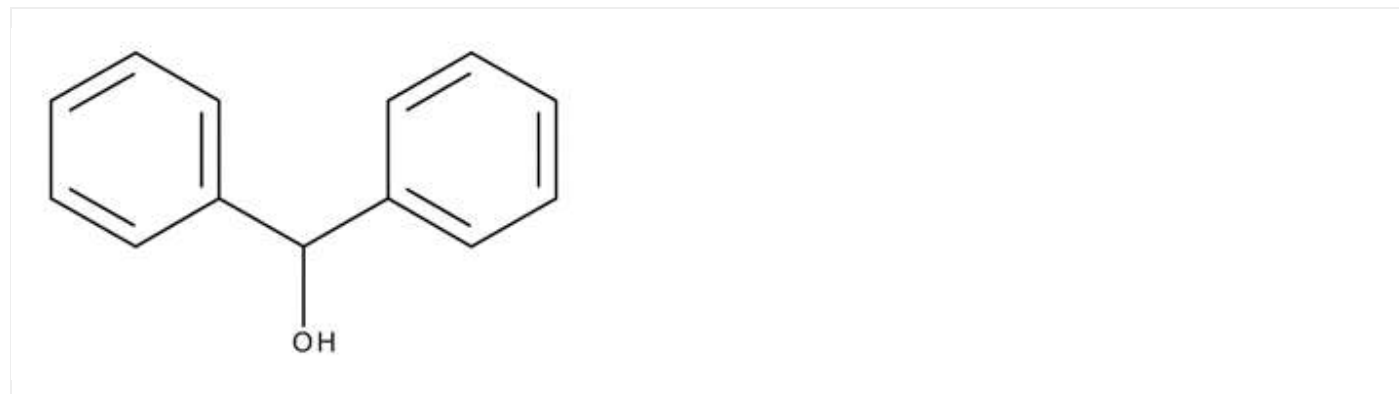
Hazardous Statement: H302-H314-H317-H332-H334

Precaution Statement: P261-P280-P305 + P351 + P338-P310

BENZHYDROL 98% (FOR SYNTHESIS)

DIPHENYL CARBINOL 98% For Synthesis

Product Code.	00374	Grade	For Synthesis
Purity	98%	CAS No.	91-01-0
Molecular Formula	C13H12O	Molecular Weight	184.24
H.S.Code	2906.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	65 - 67 °C	Boiling point [°C]	297 - 298 °C	Initial boiling point [°C]	297°C
Final boiling point [°C]	298 °C				

Packaging



Specification

Appearance	White to off white powder or crystal or flakes or chunks
Assay (GC area %)	Min 98%
Melting range	64 - 67 deg C
Identity (IR)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

BENZIDINE HYDROCHLORIDE SOLUTION

Product Code.	00375	Grade	
Purity		CAS No.	
Molecular Formula		Molecular Weight	0.00
H.S.Code	38220090.00000	Shelf Life	

Physical Properties

Packaging



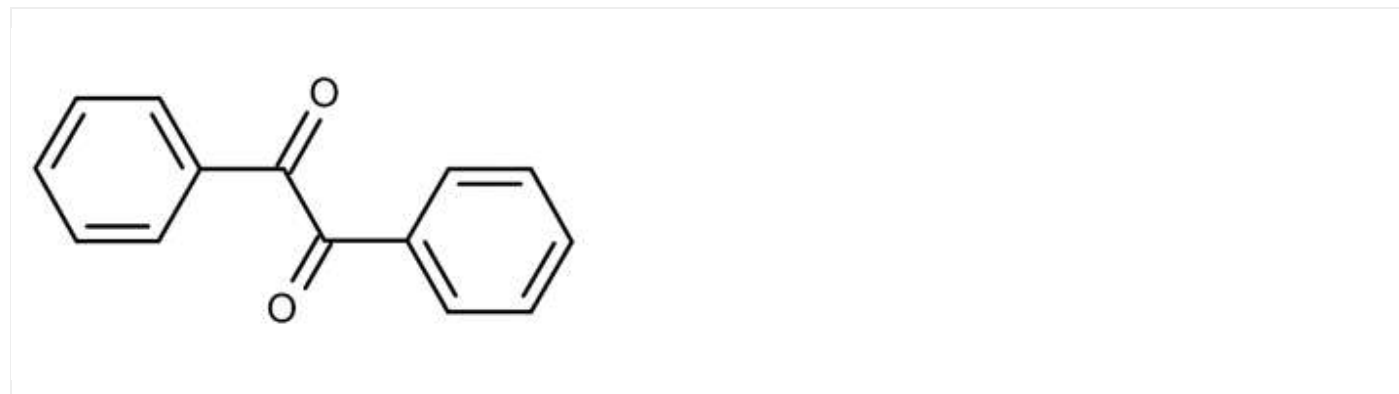
Specification

Safety Information and Hazard Symbols

BENZIL 99% FOR SYNTHESIS

Dibenzoyl; Diphenylethanedione

Product Code.	00376	Grade	
Purity	99%	CAS No.	134-81-6
Molecular Formula	C14H10O2	Molecular Weight	210.23
H.S.Code	2914.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	solid	Colour	Yellow powder	Melting point/ Freezing point [°C]	94 - 95 °C
Solubility in water [% weight]	Insoluble in water				

Packaging



Specification

Appearance	Almost white to yellow crystalline powder.
Assay	Min 99%
Melting point	93 - 96 deg C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

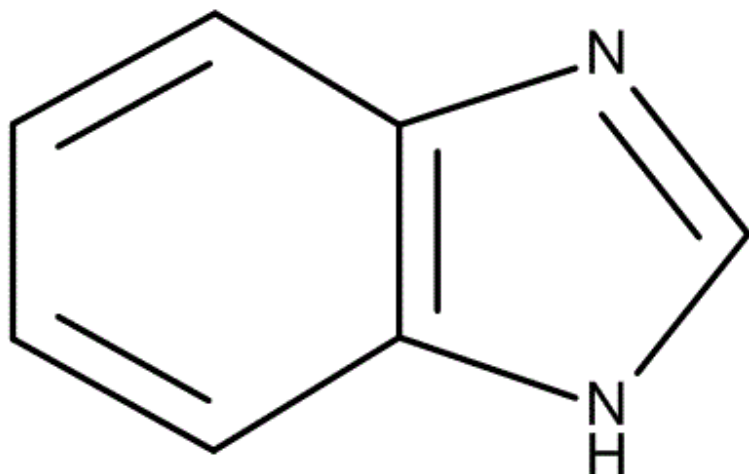
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

BENZIMIDAZOLE 99% FOR SYNTHESIS

1,3-Benzodiazole; BZI

Product Code.	00377	Grade	For Synthesis
Purity	99%	CAS No.	51-17-2
Molecular Formula	C7H6N2	Molecular Weight	118.13
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white to light brown	Melting point/ Freezing point [°C]	169 - 171 °C
Boiling point [°C]	360 °C	Solubility in water [% weight]	Insoluble in water		

Packaging

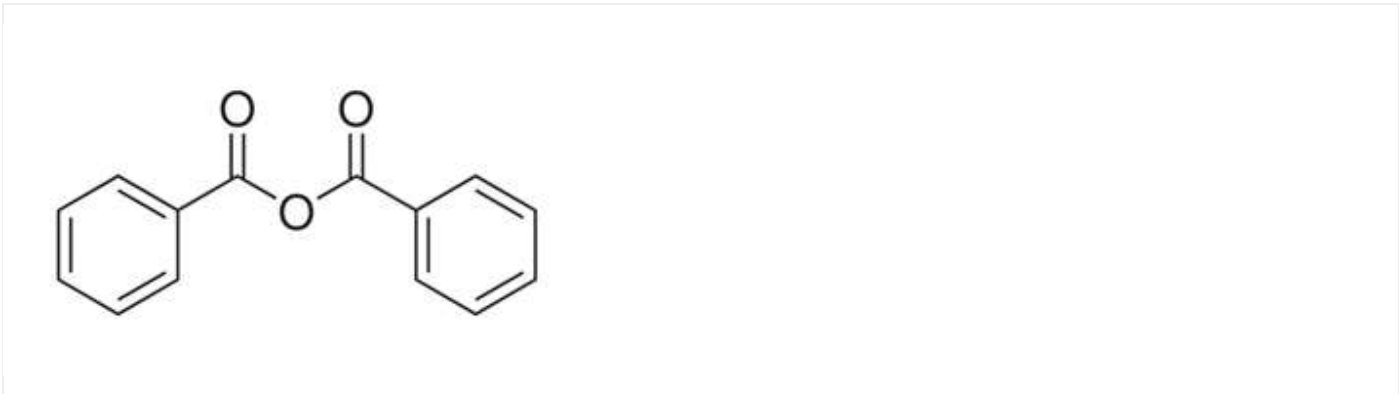


Specification

Appearance	Off white to light brown crystalline powder
Assay	Min 99%
Melting point	170 - 173°C

BENZOIC ANHYDRIDE 98% FOR SYNTHESIS

Product Code.	00380	Grade	
Purity	95%	CAS No.	93-97-0
Molecular Formula	(C6H5CO)2O	Molecular Weight	226.23
H.S.Code	2916.39900	Shelf Life	60 Months



Physical Properties

Packaging



Specification

Appearance	White to almost white crystals or crystalline powder
Assay (morpholin method)	Min 95%
Identity (IR)	Passes test
Melting point	38-44°C

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

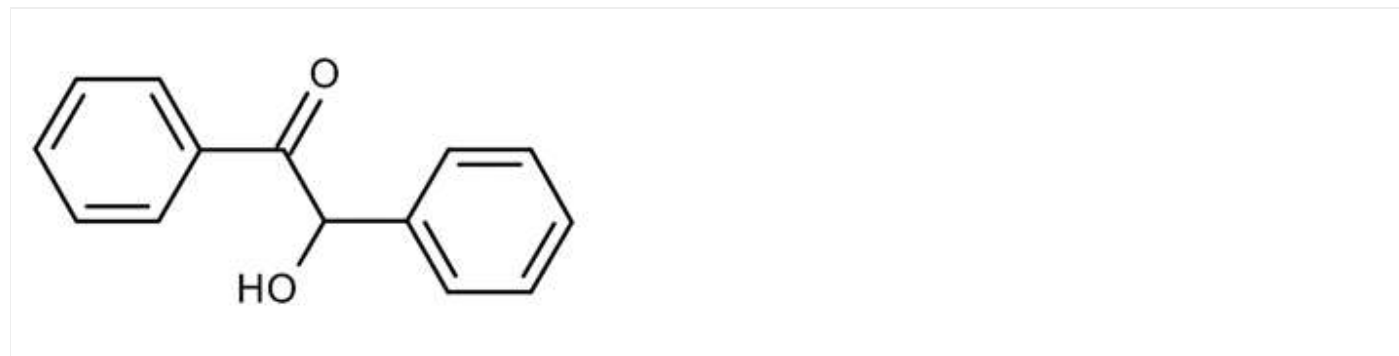
Hazardous Statement: H315-H318-H335

Precaution Statement: P261-P280-P305 + P351 + P338

BENZOIN 99% FOR SYNTHESIS

a-Hydroxy-a-phenylacetophenone, a-Hydroxybenzyl phenyl ketone, 2-Hydroxy-2-phenylacetophenone

Product Code.	00381	Grade	
Purity	98%	CAS No.	119-53-9
Molecular Formula	C14H12O2	Molecular Weight	212.25
H.S.Code	2914.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Slight camphor odor
Melting point/ Freezing point [°C]	135 - 137 °C	Boiling point [°C]	344°C	Vapour pressure mm/Hg	1.1 mm Hg @ 135.60C
Solubility in water [% weight]	Slightly soluble in water				

Packaging



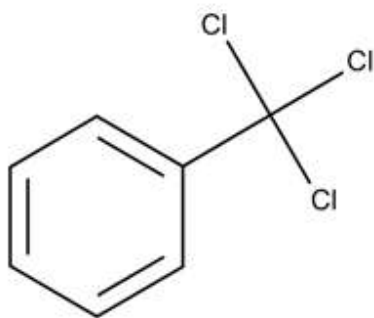
Specification

Appearance	Almost white crystalline powder
Assay	Min 98%
Melting point	130 - 136 °C

BENZOTRICHLORIDE 99% FOR SYNTHESIS

Trichloromethyl)benzene; a,a,a-Trichlorotoluene

Product Code.	00387	Grade	
Purity	98%	CAS No.	98-07-7
Molecular Formula	C7H5Cl3	Molecular Weight	195.48
H.S.Code	2903.99300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless fuming liquid	Melting point/ Freezing point [°C]	-7.5 - -7 °C
Auto-ignition temperature [°C]	211 °C	Flash point [°C]	109 °C	Boiling point [°C]	219 - 223 °C
Initial boiling point [°C]	219 °C	Final boiling point [°C]	223 °C	Vapour pressure [20°C]	0.3 hPa (0.2 mmHg) at 20 °C
Vapour density	6.75	Density [g/cm3]	1.38	Explosion limits - upper [%]	6.50%
Explosion limits -lower [%]	2.10%				

Packaging



Specification

Appearance	Colourless fuming liquid
Assay	Min 98%
Density (d20°C/4°C)	1.372 - 1.375

Safety Information and Hazard Symbols


Symbol: GHS05, GHS06, GHS08 Signal Word: Danger UN No.: 2226 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H302-H315-H318-H331-H335-H350 Precaution Statement: P201-P261-P280-P305 + P351 + P338-P311

BENZYL TRIMETHYL AMMONIUM HYDROXIDE METHANOLIC SOLUTION

40%

Product Code.	00407	Grade	
Purity	Min. 40%	CAS No.	100-85-6
Molecular Formula	C3H17NO	Molecular Weight	167.25
H.S.Code	29239000.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

BILE SALT REAGENT SOLUTION

Product Code.	00414	Grade	
Purity		CAS No.	
Molecular Formula		Molecular Weight	0.00
H.S.Code	38220090.00000	Shelf Life	

Physical Properties

Packaging



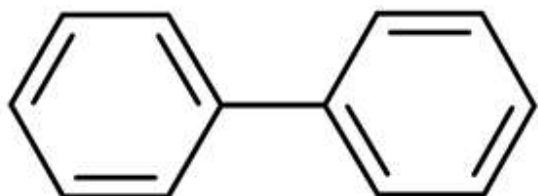
Specification

Safety Information and Hazard Symbols

BIPHENYL 99% FOR SYNTHESIS

phenylbenzene; 1,1'-biphenyl; 1,1'-diphenyl

Product Code.	00417	Grade	
Purity	99%	CAS No.	92-52-4
Molecular Formula	C12H10	Molecular Weight	154.21
H.S.Code	2902.90300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Characteristic odor
pH value	5.5	Melting point/ Freezing point [°C]	69 - 72 °C	Auto-ignition temperature [°C]	540°C
Flash point [°C]	110 °C	Boiling point [°C]	255 °C	Vapour pressure [20°C]	0.04 hPa at 20 °C
Vapour density	5.31	Density [g/cm3]	1.041	Solubility in water [% weight]	0.0075 g/l at 15 °C
Explosion limits - upper [%]	5.80%	Explosion limits -lower [%]	0.60%		

Packaging



Specification

Appearance	White scales/powder
Assay	Min 99%
Melting point	68 - 70 deg C

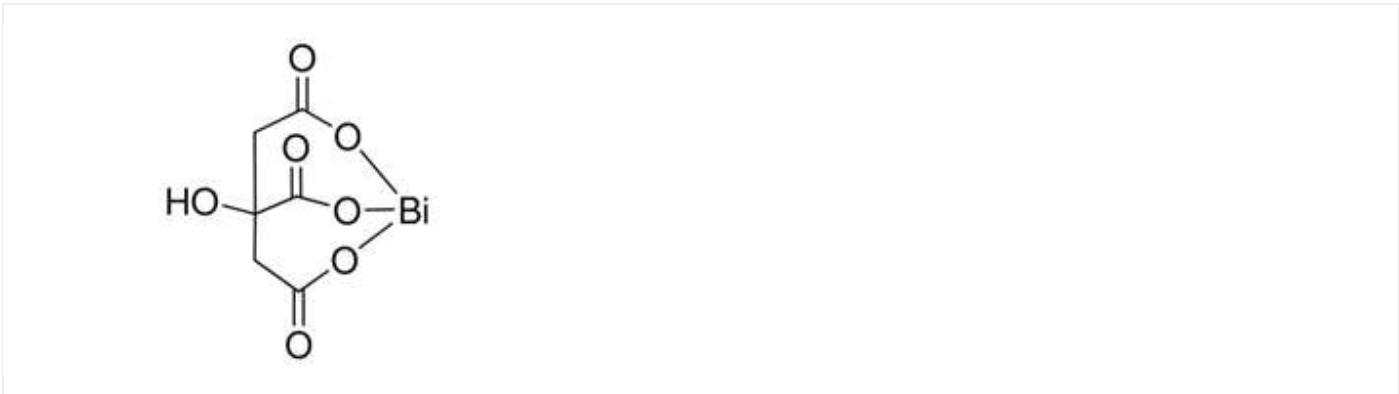
Safety Information and Hazard Symbols


Symbol: GHS07, GHS09 Signal Word: Warning UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H315-H319-H335-H410 Precaution Statement: P261-P273-P305 + P351 + P338-P501

BISMUTH CITRATE 98% EXTRAPURE

Bismuth(III) citrate

Product Code.	00428	Grade	
Purity	98%	CAS No.	813-93-4
Molecular Formula	C6H5O7Bi	Molecular Weight	398.10
H.S.Code	2918.15300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	300 °C	Density [g/cm3]	0.94	Solubility in water [% weight]	Insoluble in water

Packaging



Specification

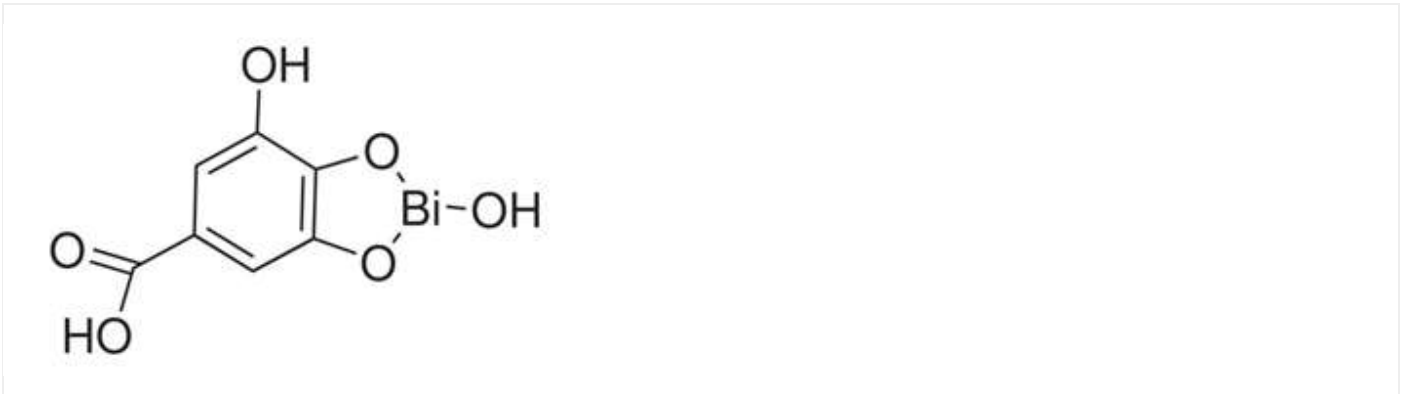
Appearance	A white powder
Assay	Min 98%

Safety Information and Hazard Symbols

BISMUTH SUBGALLATE EXTRAPURE

Bismuth (III) gallate basic

Product Code.	00434	Grade	
Purity		CAS No.	99-26-3
Molecular Formula	C7H5BiO6	Molecular Weight	394.09
H.S.Code	2918.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish yellow powder	Odour	Odorless
Melting point/ Freezing point [°C]	Sublimes	Density [g/cm3]	1.1	Solubility in water [% weight]	Insoluble in water

Packaging



Specification

Assay (as Bi2O3)	52 - 58%
Solution test	Passes test
Loss on drying (at 105°C)	Max 7%
Nitrate (NO3)	Passes test

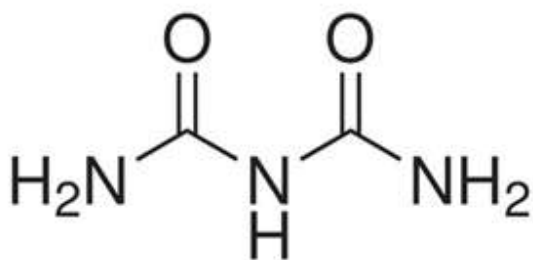
Alkalies and alkaline earths (as SO4)	Max 0.5%
Arsenic (As)	Max 0.001%
Copper (Cu)	Max 0.001%
Free galic acid	Max 0.5%
Lead (Pb)	Max 0.002%

Safety Information and Hazard Symbols

BIURET 96% AR

Allophanic acid amide, Carbamoylurea

Product Code.	00441	Grade	
Purity	96%	CAS No.	108-19-0
Molecular Formula	C2H5N3O2	Molecular Weight	103.08
H.S.Code	3822.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	193°C	Decomposition point [°C]	193°C	Density [g/cm3]	1.467
Solubility in water [% weight]	Partially soluble in water				

Packaging



Specification

Appearance	White crystalline powder
Assay (ex N)	Min 96%
Melting point	184-190°C
Loss on drying	Max 1.0%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

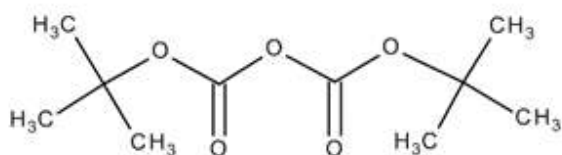
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

BOC ANHYDRIDE 98% FOR SYNTHESIS

DIBOC, BOC Anhydride ; Di-Tert-Butyl Pyrocarbonate

Product Code.	00446	Grade	
Purity	98%	CAS No.	24424-99-5
Molecular Formula	C ₁₀ H ₁₈ O ₅	Molecular Weight	218.25
H.S.Code	2920.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	23 °C
Flash point [°C]	37 °C	Boiling point [°C]	56 - 57 °C	Initial boiling point [°C]	56 °C
Final boiling point [°C]	57 °C	Density [g/cm ³]	0.95		

Packaging



Specification

Appearance	A clear colorless liquid/crystals
Assay (GC area %)	Min 98.0%
Melting range	20 – 23 deg C

Safety Information and Hazard Symbols



Symbol: GHS02, GHS06

Signal Word: Danger

UN No.: 2929

IMCO Class No.: 6.1,3

Packing Group: I

Hazardous Statement: H226-H315-H317-H319-H330-H335

Precaution Statement: P260-P280-P284-P305 + P351 + P338-P310

BORON CARBIDE 99% EXTRAPURE

Product Code.	00458	Grade	
Purity		CAS No.	12069-32-8
Molecular Formula	CB4	Molecular Weight	55.25
H.S.Code	28499010.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

BORON CARBIDE POWDER 150 MESH

Product Code.	00459	Grade	
Purity		CAS No.	12069-32-8
Molecular Formula	CB4	Molecular Weight	55.25
H.S.Code	28499010.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

BORON CARBIDE POWDER 220 MESH

Product Code.	00460	Grade	
Purity		CAS No.	12069-32-8
Molecular Formula	CB4	Molecular Weight	55.25
H.S.Code	28499010.00000	Shelf Life	

Physical Properties

Packaging



Specification

Safety Information and Hazard Symbols

BORON NITRIDE 99% EXTRAPURE

Product Code.	00461	Grade	
Purity	99%	CAS No.	10043-11-5
Molecular Formula	BN	Molecular Weight	24.82
H.S.Code	2850.00200	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Density [g/cm3]	2.29				

Packaging



Specification

Appearance	White to off white powder
Assay	Min. 99.0%

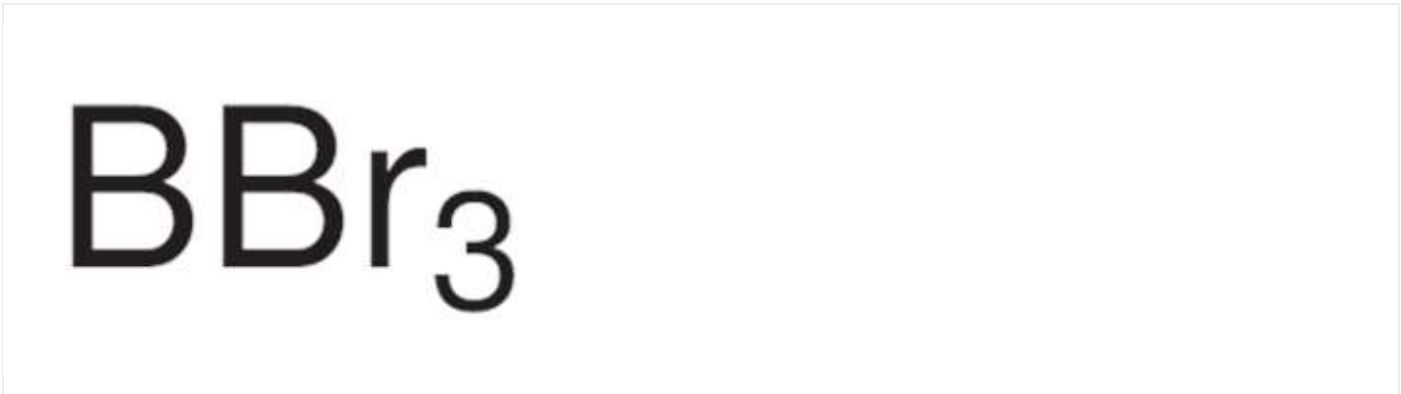
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319-H335 Precaution Statement: P261-P305 + P351 + P338

BORON TRIBROMIDE 99% EXTRAPURE

Tribromoboron

Product Code.	00463	Grade	
Purity	99%	CAS No.	10294-33-4
Molecular Formula	BBr3	Molecular Weight	250.52
H.S.Code	2812.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	colourless	Melting point/ Freezing point [°C]	-46
Initial boiling point [°C]	90	Vapour pressure [20°C]	53 hPa at 14 °C	Vapour density	8.6
Relative density, gas (air=1)	2,6 g/cm3 at 20 °C	Relative density, liquid (water=1)	2,6 g/cm3 at 20 °C		

Packaging



Specification

Appearance	Colorless to Yellow to Amber to Orange to Dark Yellow Orange liquid
Assay	Min 99%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06

Signal Word: Danger

UN No.: 2692

IMCO Class No.: 8

Packing Group: I

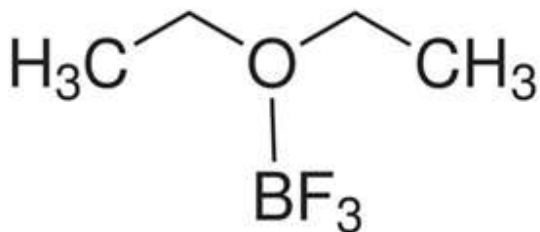
Hazardous Statement: H300-H314-H330

Precaution Statement: P260-P264-P280-P284-P305 + P351 + P338-P310

BORON TRIFLUORIDE-ETHYL ETHER COMPLEX 45-50% FOR SYNTHESIS

Boron trifluoride ethyl etherate

Product Code.	00464	Grade	
Purity	45-50%	CAS No.	109-63-7
Molecular Formula	C ₄ H ₁₀ BF ₃ O	Molecular Weight	141.93
H.S.Code	2942.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Pale yellow to brownish	Odour	Pungent odor
Melting point/ Freezing point [°C]	-58 °C	Flash point [°C]	48 °C	Boiling point [°C]	126 - 129 °C
Initial boiling point [°C]	126°C	Final boiling point [°C]	129 °C	Vapour pressure [20°C]	5.6 hPa at 20 °C
Vapour density	4.9	Density [g/cm ³]	1.15	Solubility in water [% weight]	Decomposes in water
Explosion limits - upper [%]	36%	Explosion limits -lower [%]	1.90%		

Packaging



Specification

Appearance	Yellow to pale brownish colored fuming liquid
Assay (as BF ₃)	45 - 50%
Density (d _{20°C/4°C})	1.124 - 1.127
Refractive index (20°C; 589 nm)	1.3439

Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS06, GHS08 Signal Word: Danger UN No.: 2604 IMCO Class No.: 8,3 Packing Group: I Hazardous Statement: H226-H302-H314-H330-H372 Precaution Statement: P260-P280-P284-P305 + P351 + P338-P310

BRIJ 35® (MAIN COMPONENT)

Polyoxyethylene lauryl ether

Product Code.	00470	Grade	
Purity		CAS No.	9002-92-0
Molecular Formula		Molecular Weight	0.00
H.S.Code	3402.13000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Odorless
pH value	5.5 - 7.5	Melting point/ Freezing point [°C]	41 - 45 °C	Flash point [°C]	113 °C
Boiling point [°C]	100 °C	Vapour pressure [20°C]	< 1 hPa at 20 °C	Density [g/cm3]	0.95
Solubility in water [% weight]	Soluble in water				

Packaging



Specification

Appearance	White solid
Melting point	34 - 41 deg C
Hydroxyl number	45 - 50
Water (H2O)	Abtout 3%

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: Danger

Hazardous Statement: H315-H318

Precaution Statement: P280-P305 + P351 + P338

BRIJ-35'3 (30% SOLUTION)

(30% Solution w/v) Non-ionic surfactant stable in acid and alkaline solution ® Registered Trademark of ICI America Inc. Polyoxyethylene lauryl ether

Product Code.	00471	Grade	
Purity		CAS No.	9002-92-0
Molecular Formula		Molecular Weight	0.00
H.S.Code	3402.13000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Odorless
pH value	5.5 - 7.5	Melting point/ Freezing point [°C]	41 - 45 °C	Flash point [°C]	113 °C
Boiling point [°C]	100 °C	Vapour pressure [20°C]	< 1 hPa at 20 °C	Density [g/cm3]	0.95
Solubility in water [% weight]	Soluble in water				

Packaging



Specification

Appearance	Colorless solution
Extinction A (30%, 570nm, H2O)	Max 0.005%

Safety Information and Hazard Symbols

Symbol: GHS05 Signal Word: Danger Hazardous Statement: H315-H318 Precaution Statement: P280-P305 + P351 + P338

BROMINE 99% FOR SYNTHESIS

Product Code.	00481	Grade	For Synthesis
Purity	99%	CAS No.	7726-95-6
Molecular Formula	Br2	Molecular Weight	159.82
H.S.Code	2801.30200	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Brownish red	Odour	Pungent odor
Melting point/ Freezing point [°C]	7.2 °C	Boiling point [°C]	58°C	Vapour pressure [20°C]	233 hPa at 20 °C
Vapour density	5.52	Density [g/cm3]	3.119	Solubility in water [% weight]	4 g/100 ml water @ 20°C

Packaging

Specification

Appearance	A heavy, brownish red, fuming liquid
Assay	Min 99%

Safety Information and Hazard Symbols


Symbol: GHS05, GHS06, GHS09 Signal Word: Danger UN No.: 1744 IMCO Class No.: 8,6.1 Hazardous Statement: H314-H330-H400 Precaution Statement: P260-P273-P280-P284-P305 + P351 + P338-P310

BROMINE 99.5% AR (4 X 500ML)

Product Code.	00482	Grade	AR
Purity	99.5%	CAS No.	7726-95-6
Molecular Formula	Br2	Molecular Weight	159.82
H.S.Code	2801.30200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Brownish red	Odour	Pungent odor
Melting point/ Freezing point [°C]	7.2 °C	Boiling point [°C]	58°C	Vapour pressure [20°C]	233 hPa at 20 °C
Vapour density	5.52	Density [g/cm3]	3.119	Solubility in water [% weight]	4 g/100 ml water @ 20°C

Packaging



Specification

Appearance	A heavy, brownish red, fuming liquid
Assay (as Br)	Min 99.5%

Chlorine	Max 0.05%
Residue on evaporation	Max 0.005%
Heavy metal (as Pb)	Max 0.0002%
Iodine (I)	Max 0.001%
Sulphur compounds (as S)	Max 0.001%
Nickel (Ni)	Max 0.0005%
Organic bromine compounds	Passes test

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS09

Signal Word: Danger

UN No.: 1744

IMCO Class No.: 8,6.1

Packing Group: I

Hazardous Statement: H314-H330-H400

Precaution Statement: P260-P273-P280-P284-P305 + P351 + P338-P310

BROMINE WATER 0.2M (APPROX.)

Product Code.	00483	Grade	
Purity		CAS No.	
Molecular Formula	Br ₂	Molecular Weight	0.00
H.S.Code	38220090.00000	Shelf Life	24 Months



Packaging



Specification

Appearance	Clear Reddish Brown Liquid
Molarity	~0.2 M

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS09

Signal Word: Danger

UN No.: 1744

IMCO Class No.: 8,6.1

Packing Group: I

Hazardous Statement: H314-H330-H400

Precaution Statement: P260-P273-P280-P284-P305 + P351 + P338-P310

BROMOSULPHALEIN EXTRAPURE

Reagent for quantitative liver function test. Phenoltetrabromophthalein-3',3-disulfonic acid disodium salt; Sulfobromophthalein disodium salt

Product Code.	00515	Grade	
Purity		CAS No.	71-67-0
Molecular Formula	C20H8Br4Na2O10S2	Molecular Weight	838.02
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown (Beige)	Solubility in water [% weight]	Soluble in water

Packaging



Specification

Appearance	White hygroscopic powder

Safety Information and Hazard Symbols

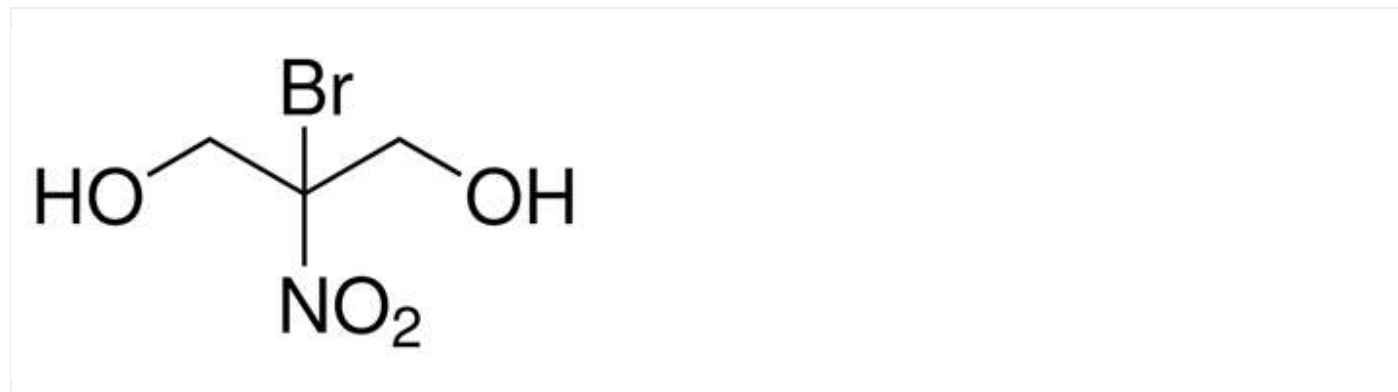


Symbol: GHS08
Signal Word: Danger
Hazardous Statement: H317-H334
Precaution Statement: P261-P280-P342 + P311

BRONOPOL 99% EXTRAPURE

Bronopol, BNPD, BNPK, 2-BROMO-2-NITRO-1,3-PROPANEDIO

Product Code.	00522	Grade	
Purity	98%	CAS No.	52-51-7
Molecular Formula	C3H6NO4Br	Molecular Weight	199.99
H.S.Code	2905.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Crystalline Solid	Colour	White to slightly yellow	Melting point/ Freezing point [°C]	130-133
Solubility in water	100 mg/mL				

Packaging



Specification

Appearance	White or almost white crystals or crystalline powder
Assay (as C3H6BrN04 ; on anhydrous basis)	98.0-101.0%
Identification as per IP	Passes test
Solubility	Freely soluble in water and ethanol 96%; slightly soluble in glycerol and liquid paraffin

Related Substances	Max 0.5%
Sulphated ash	Max 0.5%

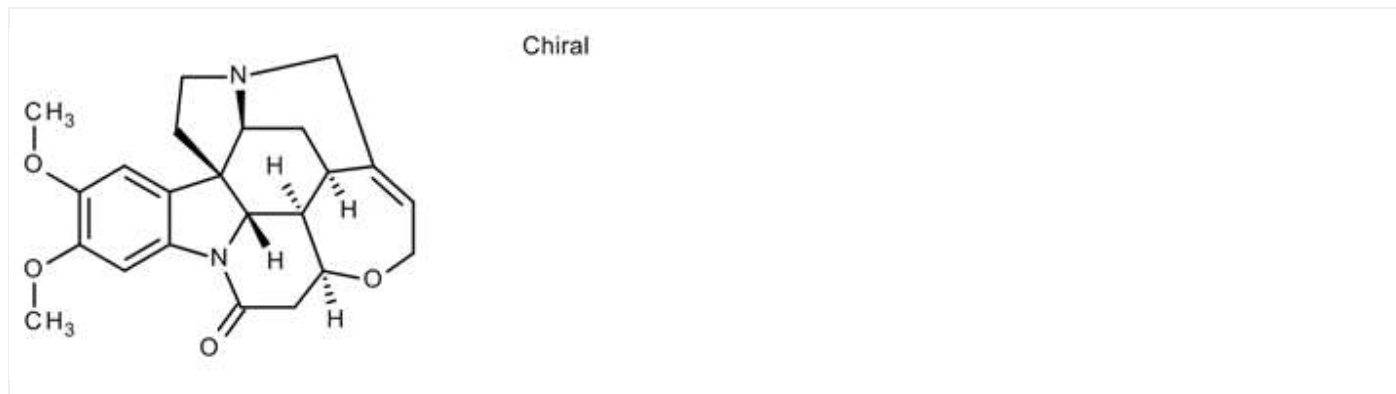
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07, GHS09 Signal Word: Danger UN No.: 3241 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H302-H312-H315-H318-H335-H400 Precaution Statement: P261-P273-P280-P305 + P351 + P338 Risk Statement: 21/22-37/38-41-50 Safety Statement: 26-36/37/39-61

BRUCINE ANHYDROUS 99% AR

10,11-Dimethoxystrychnine

Product Code.	00526	Grade	
Purity	99%	CAS No.	357-57-3
Molecular Formula	C23H26N2O4	Molecular Weight	394.47
H.S.Code	2939.80000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	odorless
Melting point/ Freezing point [°C]	175 - 178 °C	Solubility in water [% weight]	Partially soluble in cold water	Partition coefficient Log Pow octanol / water at 20°C	0.1

Packaging



Specification

Appearance	White to light beige crystalline powder
Assay (by HClO4 titration; on anhydrous basis)	Min 99%
Melting range	175 - 180 °C
Sulphated ash	Max 0.5%

Suitability (as micro reagent of nitrate)

Passes test

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Danger

UN No.: 1570

IMCO Class No.: 6.1

Packing Group: I

Hazardous Statement: H300-H330-H412

Precaution Statement: P260-P264-P273-P284-P301 + P310-P310

BRUCINE SULPHATE HEPTAHYDRATE ACS
(For Lab Use) Dimethoxy strychnin

Product Code.	00527	Grade	
Purity		CAS No.	4845-99-2
Molecular Formula	(C23H26N2O4)2H2SO4.7H2O	Molecular Weight	1013.13
H.S.Code	2939.80000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	odorless
Solubility in water [% weight]	Moderate (1-10%)				

Packaging



Specification

Appearance	White to off white crystalline powder
Clarity of solution	Passes test
Loss on dryig (at 105°C; 6 hrs)	Max 13.0%
Residue on ignition	Max 0.1%
Sensitivity for nitrate	Passes test

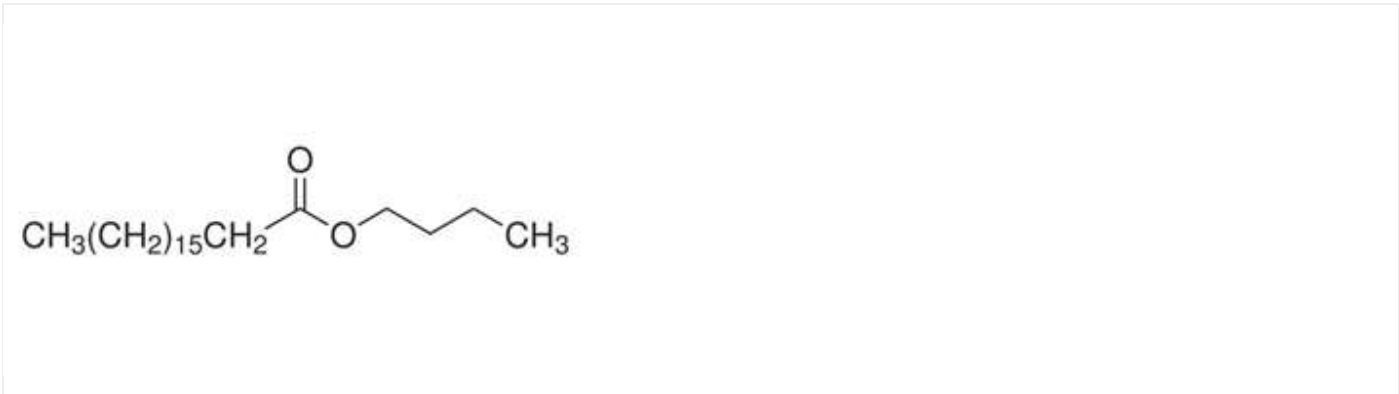
Safety Information and Hazard Symbols

Symbol: GHS06 Signal Word: Danger UN No.: 1544 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H300-H330-H412 Precaution Statement: P260-P264-P273-P284-P301+310-P310 Risk Statement: 26/28-52/53 Safety Statement: 13-45-61

BUTYL STEARATE 50% FOR SYNTHESIS

Stearic acid butyl ester

Product Code.	00585	Grade	
Purity	50%	CAS No.	123-95-5
Molecular Formula	C22H44O2	Molecular Weight	340.60
H.S.Code	2915.70900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	17 °C
Flash point [°C]	160 °C	Boiling point [°C]	343 °C	Density [g/cm3]	0.861
Solubility in water [% weight]	Slight (0.1-1%)				

Packaging



Specification

Appearance	Colourless to pale yellow liquid
Assay (GC area %)	Min 50%
Refractive index (20°C; 589 nm)	1.4328
Density (d20°C/4°C)	0.856 - 0.859

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

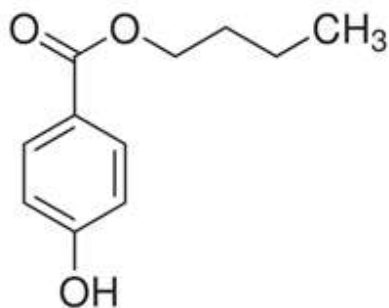
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

BUTYL-4-HYDROXYBENZOATE 99% EXTRAPURE

Butyl Paraben ; N-Butyl-4-Hydroxybenzoate

Product Code.	00578	Grade	
Purity	99%	CAS No.	94-26-8
Molecular Formula	C ₁₁ H ₁₄ O ₃	Molecular Weight	194.20
H.S.Code	2918.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellowish	Melting point/ Freezing point [°C]	67 - 70 °C
Boiling point [°C]	156 - 157 °C	Initial boiling point [°C]	156 °C	Final boiling point [°C]	157 °C

Packaging



Specification

Appearance	A white or yellowish-white crystalline powder
Assay	Min 99%
Identity (IR)	Passes test
Appearance of solution	Passes test
Acidity	Passes test

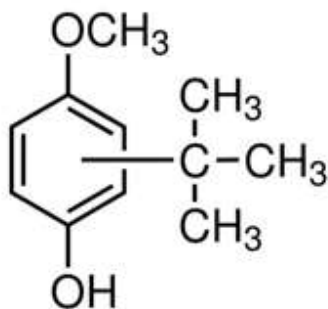
Melting point	68 - 71 deg C
Related Substances	Max 0.5%
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols

BUTYLATED HYDROXY ANISOLE 98%

(Confirms to USP) B.H.A.

Product Code.	00564	Grade	
Purity	98%	CAS No.	25013-16-5
Molecular Formula	C ₁₁ H ₁₆ O ₂	Molecular Weight	180.25
H.S.Code	2909.50900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Characteristic odour
Melting point/ Freezing point [°C]	58 - 60 °C	Auto-ignition temperature [°C]	315 °C	Flash point [°C]	113 °C
Boiling point [°C]	268 °C	Vapour density	6.2	Density [g/cm ³]	1.05
Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	3.335		

Packaging



Specification

Appearance	White or slightly yellow crystalline powder or waxy solid, having a faint, characteristic odor
Assay (by GC)	Min 98%

Solubility	Insoluble in water, freely soluble in alcohol, in propylene glycol, in chloroform & in ether
Identifications	To comply USP tests
Melting point	48 – 63°C
Heavy metal (as Pb)	Max 0.001%
Arsenic (As)	Max 0.0003%
Sulphated ash	Max.0.1%
Residue on ignition	Max 0.01%
Organic volatile impurities (By GC)	To meet the requirement of USP-NF

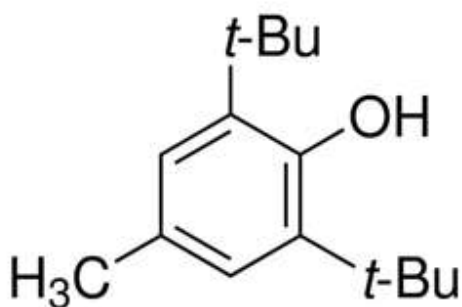
Safety Information and Hazard Symbols

Symbol: GHS07, GHS08 Signal Word: Warning Hazardous Statement: H302-H315-H319-H335-H351 Precaution Statement: P261-P281-P305 + P351 + P338

BUTYLATED HYDROXY TOLUENE 99% EXTRA PURE

(Confirms to IP, BP, USP) 2,6-Di-tert-butyl-p-Cresol, B.H.T. 2,6-di-Tert-Butyl-4-Methyl Phenol

Product Code.	00565	Grade	
Purity	99%	CAS No.	128-37-0
Molecular Formula	C ₁₅ H ₂₄ O	Molecular Weight	220.36
H.S.Code	2907.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Characteristic odour
Melting point/ Freezing point [°C]	69 - 73 °C	Auto-ignition temperature [°C]	470 °C	Flash point [°C]	127°C
Boiling point [°C]	265 °C	Vapour pressure [20°C]	0.01 mm Hg @ 20°C	Vapour pressure mm/Hg	0.01 mm Hg @ 200C
Vapour density	7.6	Density [g/cm ³]	1.048	Solubility in water [% weight]	Insoluble in water

Packaging



Specification

Appearance	White, crystalline powder
Assay (by GC)	Min 99%

Identity (IR)	Confirms to structur
Solubility	To comply BP, USP test
Identifications	To comply IP,BP test
Appearance of solution	To comply IP,BP test
Freezing point	69.2 - 70°C
Related Substances	To comply IP,BP test
Sulphated ash	Max 0.1%
Residue on ignition	Max 0.002%
Organic impurities	Max 0.5%
Heavy metal (as Pb)	Max 0.001%

Safety Information and Hazard Symbols


Symbol: GHS07, GHS09 Signal Word: Warning Hazardous Statement: H302-H315-H319-H411 Precaution Statement: P273-P305 + P351 + P338

CADION AR

1-(4-Nitrophenyl)-3-(4-phenylazophenyl)triazene

Product Code.	00594	Grade	
Purity		CAS No.	5392-67-6
Molecular Formula	C18H14N6O2	Molecular Weight	346.35
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Deep brown	Melting point/ Freezing point [°C]	189 °C

Packaging



Specification

Appearance	Dark brown powder
Sensitivity as metal indicator	Passes test
Sensitivity for Cadmium	1:2,000,000

Safety Information and Hazard Symbols

CADMIUM SULPHIDE (ORANGE) 99% EXTRA PURE

Product Code.	00612	Grade	
Purity	99%	CAS No.	1306-23-6
Molecular Formula	CdS	Molecular Weight	144.48
H.S.Code	2830.90100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Orange powder	Melting point/ Freezing point [°C]	999 °C
Density [g/cm3]	4.82	Solubility in water [% weight]	0.13 mg/100g (18 c)	Partition coefficient Log Pow octanol / water at 20°C	2.886

Packaging



Specification

Appearance	An orange fine powder
Assay	Min 99%

Safety Information and Hazard Symbols

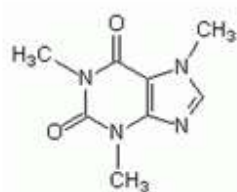


Symbol: GHS07, GHS08
Signal Word: Danger
UN No.: 3077
IMCO Class No.: 9
Packing Group: III
Hazardous Statement: H302-H341-H350-H361fd-H372-H413
Precaution Statement: P201-P281-P308 + P313

CAFFEINE ANHYDROUS 98% EXTRAPURE

Volatile organic impurities excluded by manufacturing, handling and storage. 1,3,7-Trimethylxanthine; Coffeinum

Product Code.	00613	Grade	Extrapure
Purity	98%	CAS No.	58-08-2
Molecular Formula	C ₈ H ₁₀ N ₄ O ₂	Molecular Weight	194.19
H.S.Code	2939.30000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	6.9	Melting point/ Freezing point [°C]	234 - 236°C	Boiling point [°C]	178°C
Density [g/cm ³]	1.23	Solubility in water [% weight]	1 gm in 46 mls water	Partition coefficient Log Pow octanol / water at 20°C	0.07

Packaging



Specification

Appearance	Fine white crystal or crystalline powder, odorless; sublimes readily
Assay	Min 98.0%
Melting point	235 - 238°C

Loss at 80°C for 4 hrs.

Max 0.5%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

UN No.: 1544

IMCO Class No.: 6.1

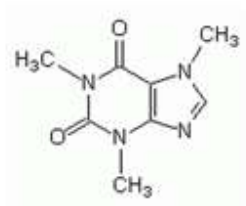
Packing Group: III

Hazardous Statement: H302

CAFFEINE ANHYDROUS 99% AR

Suitable for determination of Serum Bilirubin (Confirm to IP/BP) 1,3,7-Trimethylxanthine; Coffeinum

Product Code.	00614	Grade	AR
Purity	99%	CAS No.	58-08-2
Molecular Formula	C ₈ H ₁₀ N ₄ O ₂	Molecular Weight	194.19
H.S.Code	2939.30000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	6.9	Melting point/ Freezing point [°C]	234 - 236°C	Boiling point [°C]	178°C
Density [g/cm ³]	1.23	Solubility in water [% weight]	1 gm in 46 mls water	Partition coefficient Log Pow octanol / water at 20°C	0.07

Packaging



Specification

Appearance	Silky white crystals or crystalline powder; odourless; sublimes readily
Assay (on dried basis)	99.0- 101.5%

Solubility	Sparingly soluble in water, freely soluble in boiling water, slightly soluble in ethanol (96 per cent). It dissolves in concentrated solutions of alka
Identification	To comply IP,BP test
Appearance of solution	To comply IP,BP test
Melting point	235 - 237°C
Insoluble matter in water	Max 0.005%
Acidity or alkalinity	To comply IP/BP test
Related Substances	To comply IP,BP test
Sulphate (SO ₄)	Max 0.05%
Heavy metal (as Pb)	Max 0.002%
Loss on drying ((at 105°C for 1hr)	Max 0.5%
Sulphated ash	Max 0.1%
Copper (Cu)	Max.0.0002%
Iron (Fe)	Max.0.0002%
Lead (Pb)	Max.0.0002%
Zinc (Zn)	Max.0.0002%
Theobromine (C ₇ H ₈ N ₄ O ₂)	Max.0.2%

Safety Information and Hazard Symbols



Symbol: GHS07
 Signal Word: Warning
 UN No.: 1544
 IMCO Class No.: 6.1
 Packing Group: III
 Hazardous Statement: H302

CALAMINE 98% EXTRAPURE

Confirms BP specification

Product Code.	00615	Grade	
Purity	Min. 98%	CAS No.	8011-96-9
Molecular Formula	Fe2O4Zn	Molecular Weight	241.08
H.S.Code	3003.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Pinkish brown	Melting point/ Freezing point [°C]	1975°C
Solubility in water [% weight]	Negligible 0.1%				

Packaging



Specification

Appearance	Pink brown colored powder with white particles.
Residue on ignition	68 - 74%
Soluble barium salts	Passes test
Calcium (Ca)	Passes test
Lead (Pb)	Max 0.015%
Chloride (Cl)	Max 0.07%
Sulphate (SO4)	Max 0.6%
Ethanol soluble dyes	Passes test
Matter insoluble in HCl	Max 10 mg
Water soluble dyes	Passes test

CALCIUM CARBIDE EXTRAPURE

Product Code.	00623	Grade	
Purity		CAS No.	75-20-7
Molecular Formula	C2Ca	Molecular Weight	64.10
H.S.Code	2849.10000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Greyish black lumps	Melting point/ Freezing point [°C]	2300°C
Density [g/cm3]	2.22				

Packaging



Specification

Appearance	Grayish black lumps

Safety Information and Hazard Symbols

Symbol: GHS02 Signal Word: Danger UN No.: 1402 IMCO Class No.: 4.3 Packing Group: I Hazardous Statement: H260 Precaution Statement: P223-P231 + P232-P370 + P378-P422

CALCIUM CITRATE TETRAHYDRATE 97% EXTRAPURE

Confirms to USP Tricalcium dicitrate tetrahydrate

Product Code.	00644	Grade	
Purity	97%	CAS No.	5785-44-4
Molecular Formula	C ₁₂ H ₁₀ Ca ₃ O ₁₄ .4H ₂ O	Molecular Weight	570.50
H.S.Code	2918.15900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White	pH value	5.0-6.0 (25g/l, H ₂ O; 20°C)
Solubility in water [% weight]	0.85 g/l (18°C)				

Packaging



Specification

Appearance	White crystalline powder
Assay (on anhydrous basis)	97.5-100.5%
Identification A & B as per USP	Passes test
Loss on drying (at 150°C)	10.0-13.3%

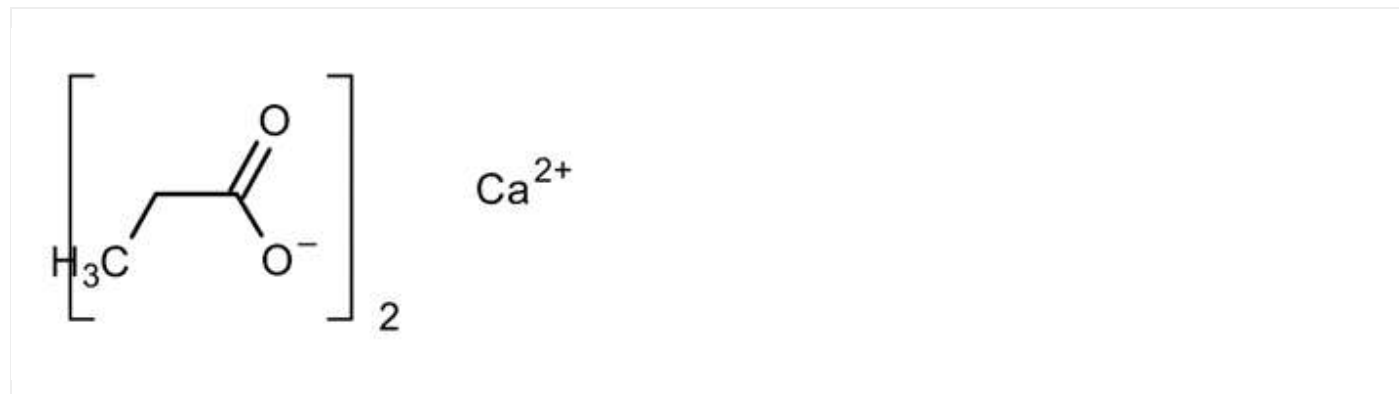
Arsenic (As)	Max.0.0003%
Fluoride (F)	Max.0.003%
Heavy metal (as Pb)	Max.0.002%
Acid insoluble matter	Max.0.2%
Lead (Pb)	Max.0.001%

Safety Information and Hazard Symbols

CALCIUM PROPIONATE 98% EXTRAPURE

Propionic acid calcium salt

Product Code.	00662	Grade	
Purity	97%	CAS No.	4075-81-4
Molecular Formula	C ₆ H ₁₀ CaO ₄	Molecular Weight	186.22
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	7 - 9 at 100 g/l at 20 °C
Solubility in water [% weight]	Soluble in water				

Packaging



Specification

Appearance	White crystalline powder
Assay (on anhydrous basis)	97% - 100%
pH (10% solution in water)	7.0 - 9.0
Fluorine	Max 0.001%

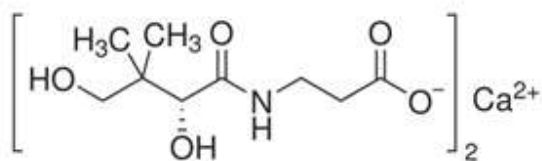
Arsenic (As)	Max 0.0003%
Heavy metal (as Pb)	Max 0.001%
Insoluble matter	Max 0.3%
Iron (Fe)	Max 0.005%
Lead (Pb)	Max 0.0005%
Magnesium (Mg)	To pass the test
Moisture content	Max 4%
Solubility	Clear solution

Safety Information and Hazard Symbols

CALCIUM-D-PANTOTHENATE 98% FOR BIOCHEMISTRY

Confirms to IP {(+) Pantothenic acid calcium} ; [D(+)] Pantothenic Acid Calcium Salt]

Product Code.	00659	Grade	
Purity	98%	CAS No.	137-08-6
Molecular Formula	C ₁₈ H ₃₂ CaN ₂ O ₁₀	Molecular Weight	476.54
H.S.Code	2936.24000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	7 - 8 at 50 g/l at 25 °C	Melting point/ Freezing point [°C]	196°C	Solubility in water [% weight]	Appreciable (> 10%)

Packaging



Specification

Appearance	A white powder; slightly hygroscopic
Assay (on anhydrous basis)	98.0 - 101.0%
Identifications	Passes IP tests
Appearance of solution	Passes IP test

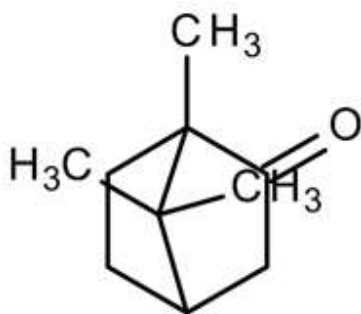
pH (5% w/v solution in water)	6.8 - 8.0
Specific optical rotation ($[\alpha]_{20/D}$; 5.0% w/v solution)	+25.0° to +27.5°
Beta alanine	Passes IP test
Heavy metal (as Pb)	Max 0.002%
Loss on drying (at 105°C)	Max 3.0%

Safety Information and Hazard Symbols

CAMPHOR 95% EXTRAPURE

(±)-Camphor, 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one

Product Code.	00669	Grade	
Purity	95%	CAS No.	76-22-2
Molecular Formula	C ₁₀ H ₁₆ O	Molecular Weight	152.24
H.S.Code	2914.29210	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour threshold	1.3 ppm
Melting point/ Freezing point [°C]	176 - 180 °C	Auto-ignition temperature [°C]	466 °C	Flash point [°C]	64°C
Boiling point [°C]	204 °C	Vapour density	6.1	Density [g/cm3]	0.992
Solubility in water [% weight]	Slightly Soluble in water	Partition coefficient Log Pow octanol / water at 20°C	3.04	Explosion limits - upper [%]	3.50%
Explosion limits -lower [%]	0.60%				

Packaging



Specification

Appearance	White crystalline powder

Assay	Min 95%
Melting point	172 - 180 deg C

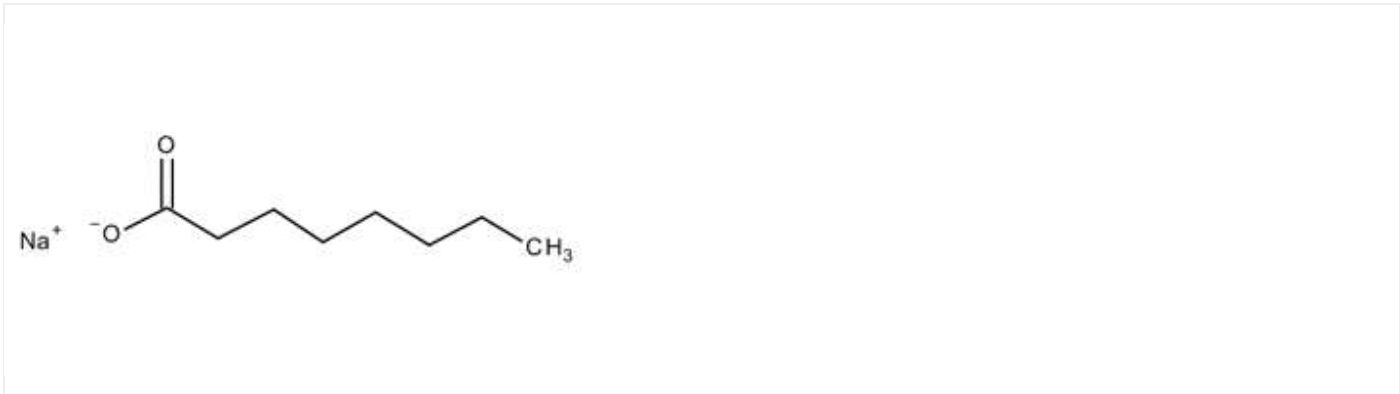
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Warning UN No.: 2717 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H228-H302-H315-H319-H335 Precaution Statement: P210-P261-P305 + P351 + P338

CAPRYLIC ACID SODIUM SALT 99% EXTRAPURE

Sodium caprylate; Octanoic acid sodium salt; Sodium octanoate

Product Code.	00675	Grade	
Purity	99%	CAS No.	6/1/1984
Molecular Formula	C8H15NaO2	Molecular Weight	166.20
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white to pale yellow	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging



Specification

Appearance	Off-white to pale yellow powder
Assay (on anhydrous basis)	Min 99%
Solubility (1 g in 10 mL water)	Clear

CARBOPOL 934 (CARBOXY VINYL POLYMER 934) EXTRA PURE

Carbomer 934 ;Carboxy Vinyl Polymer 934

Product Code.	00688	Grade	Extrapure
Purity		CAS No.	9003-01-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	3906.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	A white powder
Loss on drying	Max 2.0%
Viscosity (0.2% solution)	About 3000 cps
Viscosity (0.5% solution)	About 35000 cps

Safety Information and Hazard Symbols

CARBOPOL 940 (CARBOXY VINYL POLYMER 940)

Carboxy Vinyl Polymer 940; Carbomes 940

Product Code.	00689	Grade	
Purity	Min. 56-58%	CAS No.	1/4/9003
Molecular Formula		Molecular Weight	0.00
H.S.Code	3906.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	A white powder
Loss on drying	Max 2.0%
Viscosity (0.2% solution)	About 25000 cps
Viscosity (0.5% solution)	About 47000 cps

Safety Information and Hazard Symbols

CELITE 545 FILTER AID EXTRAPURE PURIFIED AND IGNITED

Purified and ignited Diatomaceous earth; flux-calcined ; (20-45 Microns)

Product Code.	00707	Grade	
Purity		CAS No.	61790-53-2
Molecular Formula		Molecular Weight	0.00
H.S.Code	2512.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Odorless
pH value	9 - 10	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	A white or off-white powder
Average particle size	20 - 45 microns
Filtration rate	Min 1 ml/min
Component which can be washed out with water	Max 0.1%
Soluble iron (Fe)	Max 0.002%
Loss on ignition (at 800°C)	Max 0.5%

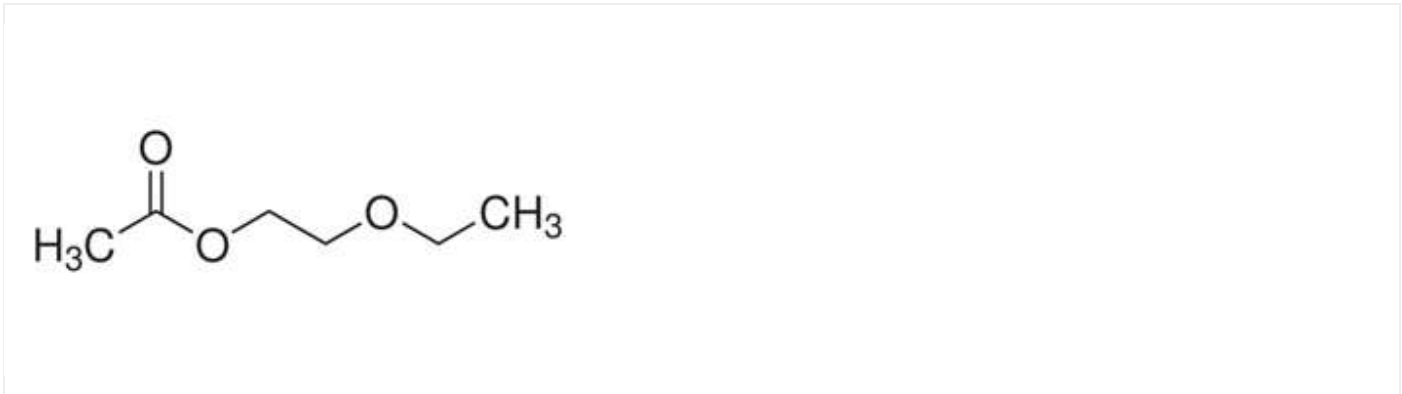
Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Warning Hazardous Statement: H319-H335-H373 Precaution Statement: P261-P305 + P351 + P338

CELLOSOLVE ACETATE 99% FOR SYNTHESIS

2-Ethoxyethyl acetate

Product Code.	00711	Grade	
Purity	98%	CAS No.	111-15-9
Molecular Formula	CH3COO.C2H4.OC2H5	Molecular Weight	132.16
H.S.Code	2915.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Mild ester-like
Melting point/ Freezing point [°C]	-61.7°C	Flammability (solid, gas)	Flammable	Flash point [°C]	47°C
Boiling point [°C]	156°C	Evaporation rate	<1	Vapour pressure mm/Hg	2 @ 20C (68F)
Vapour density	4.7	Density [g/cm3]	0.98	Solubility in water [% weight]	16g in 100g of water
Explosion limits -lower [%]	1.70%				

Packaging

Specification

Appearance	A clear colorless liquid
Assay	Min 98%
Density (d20°C/4°C)	0.972 - 0.974

Water (by KF)

Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 1172

IMCO Class No.: 3

Packing Group: III

Hazardous Statement: H226-H302-H312-H332-H360FD

Precaution Statement: P201-P280-P308 + P313

CELLULOSE ACETATE EXTRAPURE

Acetylcellulose

Product Code.	00712	Grade	Extrapure
Purity		CAS No.	9004-35-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.11100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellowish white	Odour	Odorless
Melting point/ Freezing point [°C]	260 °C	Solubility in water [% weight]	Negligible		

Packaging

Specification

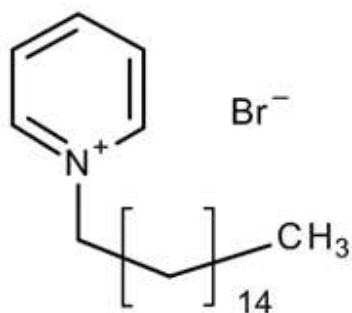
Appearance	White, yellowish-white or grayish-white powder or granules
Assay (acetyl group)	29 – 45%
Free acid (as acetic acid)	Max 0.1%
Loss on drying (at 105°C)	Max 5.0%
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols

CETYL PYRIDINIUM BROMIDE

1-Hexadecylpyridinium bromide

Product Code.	00732	Grade	
Purity	95%	CAS No.	140-72-7
Molecular Formula	C ₂₁ H ₃₈ NBr	Molecular Weight	384.44
H.S.Code	2933.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white	Melting point/ Freezing point [°C]	64.5°C
Flash point [°C]	100°C	Solubility in water [% weight]	Insoluble	Partition coefficient Log Pow octanol / water at 20°C	1.8

Specification

Appearance	Beige colour crystalline powder.
Assay	Min 95%
Melting point	63 - 68 deg C

Safety Information and Hazard Symbols

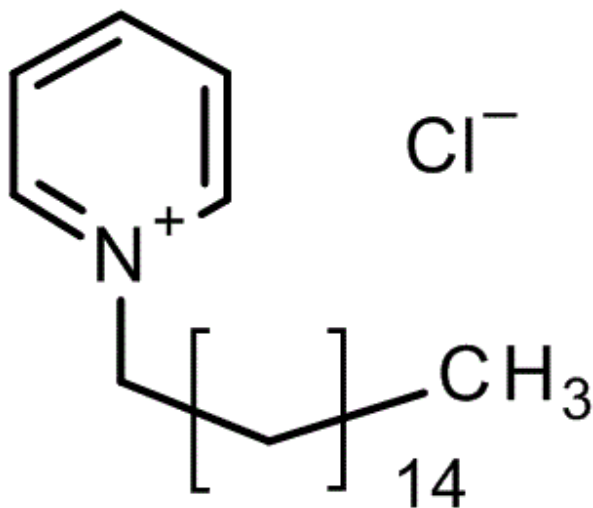


Symbol: GHS06
Signal Word: Danger
UN No.: 2811
IMCO Class No.: 6.1
Packing Group: II
Hazardous Statement: H302-H315-H319-H330-H335
Precaution Statement: P260-P284-P305 + P351 + P338-P310

CETYL PYRIDINIUM CHLORIDE 99% FOR SYNTHESIS

Confirms USP specification 1-Hexadecylpyridinium chloride, Hexadecylpyridinium chloride

Product Code.	00733	Grade	For Synthesis
Purity	99%	CAS No.	6004-24-6
Molecular Formula	C ₂₁ H ₃₈ ClN.H ₂ O	Molecular Weight	358.01
H.S.Code	2933.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Characteristic odour
pH value	5 - 5.4 at 20 °C	Melting point/ Freezing point [°C]	83 - 86 °C	Decomposition point [°C]	234°C
Solubility in water [% weight]	Soluble	Partition coefficient Log Pow octanol / water at 20°C	1.71		

Packaging

Specification

Appearance	White powder
Assay (ex cationic activity)	Min 99.0%
Melting point	80 - 84 °C

Acidity	Passes test
Sulphated ash	Max 0.2%
Water (H ₂ O)	4.5 - 5.5%
Heavy metal (as Pb)	Max 0.002%
Pyridine	Passes test

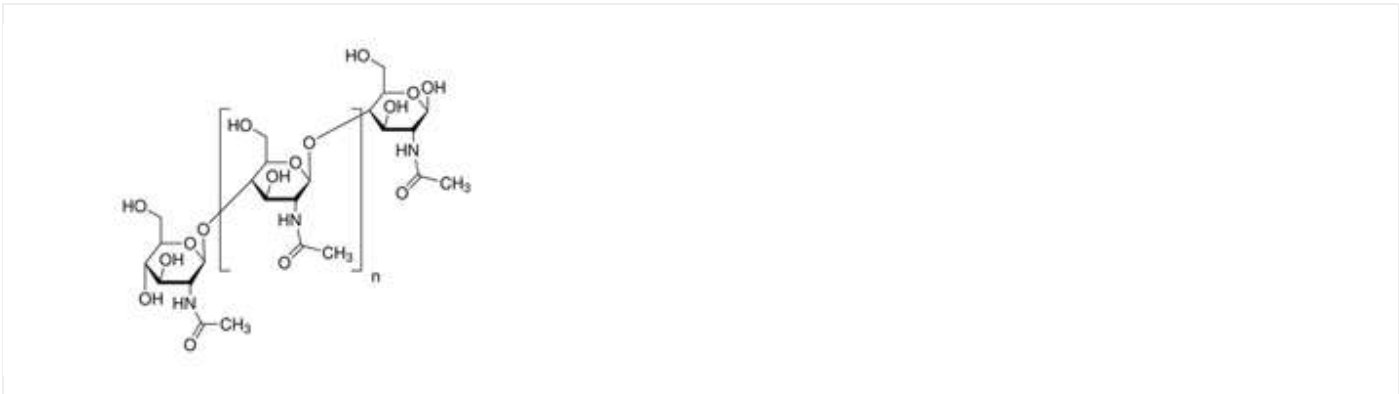
Safety Information and Hazard Symbols


Symbol: GHS05, GHS06, GHS09 Signal Word: Danger UN No.: 2811 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H301-H315-H318-H330-H335-H400 Precaution Statement: P260-P273-P280-P284-P301 + P310-P305 + P351 + P338

CHITIN EXTRAPURE

Used as stationary phase in chromatography & as an absorbable suture material

Product Code.	00738	Grade	Extra Pure
Purity		CAS No.	1398-61-4
Molecular Formula	(C ₈ H ₁₃ NO ₅) _n	Molecular Weight	0.00
H.S.Code	3913.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light brownish	Odour	Odorless

Packaging

Specification

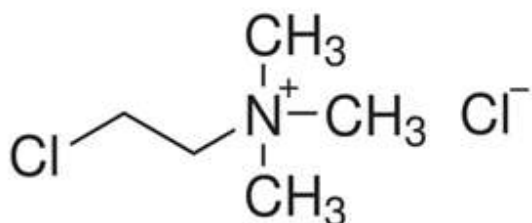
Appearance	Light brownish flakes
Sulphated ash	Max 5.0%

Safety Information and Hazard Symbols

CHLOROCHOLINE CHLORIDE 50% AQUEOUS SOLUTION

(2-Chloroethyl Trimethyl Ammonium Chloride 50%)

Product Code.	00763	Grade	
Purity	50%	CAS No.	999-81-5
Molecular Formula	(CH ₃) ₃ N(Cl)CH ₂ CH ₂ Cl	Molecular Weight	158.07
H.S.Code	2923.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Pale yellow

Specification

Appearance	Pale yellow colored slightly viscous liquid.
Assay (ex Cl)	49 - 51%
Sulphated ash	Max 0.1%
Sulphate (SO ₄)	Max 0.02%

Safety Information and Hazard Symbols

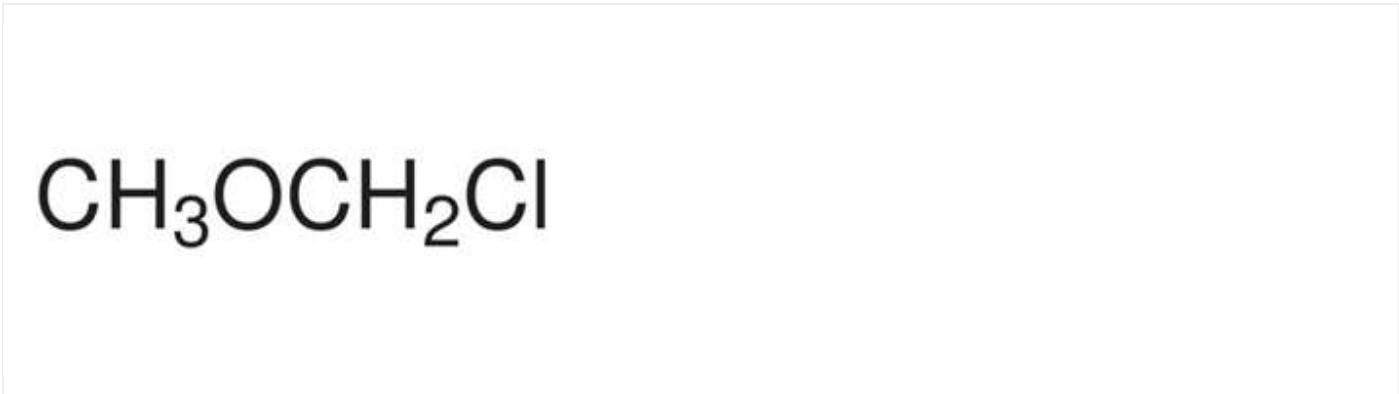


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302-H312
Precaution Statement: P280

CHLOROMETHYL METHYL ETHER 90% FOR SYNTHESIS

MOM chloride, Methoxymethyl chloride, Methyl chloromethyl ether

Product Code.	00772	Grade	For Synthesis
Purity	90%	CAS No.	107-30-2
Molecular Formula	C2H5ClO	Molecular Weight	80.51
H.S.Code	2909.30900	Shelf Life	60 Months



Physical Properties

Packaging

Specification

Appearance	Clear colorless to pale yellow solution
Assay (by titration)	Min 90.0%
Density (at 20°C)	1.050 - 1.070 g/ml

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1239 IMCO Class No.: 6.1, 3 Packing Group: I Hazardous Statement: H225-H302 + H312 + H332-H319-H350 Precaution Statement: P201-P210-P280-P305 + P351 + P338-P308 + P313

CHOLESTEROL 95% EXTRAPURE

3β-Hydroxy-5-cholestene, 5-Cholesten-3β-ol

Product Code.	00792	Grade	
Purity	95%	CAS No.	57-88-5
Molecular Formula	C27H46O	Molecular Weight	386.66
H.S.Code	2906.13100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Odorless
Melting point/ Freezing point [°C]	147 - 149 °C	Boiling point [°C]	360 °C	Density [g/cm3]	1.03
Solubility in water [% weight]	Insoluble in water				

Specification

Appearance	White to off-white crystalline powder
Assay	Min 95%
Soluble matter in ethanol	Passes test
Specific optical rotation ([α] _{20/D})	-34 deg to - 38 deg
Loss on drying	Max 0.3%
Residue on ignition	Max 0.1%
Acid value (mg KOH/gm)	Max 0.3%
Melting point	147 - 150 deg C

CHOLESTEROL 99% AR

Precipitated from alcohol. 3β-Hydroxy-5-cholestene, 5-Cholesten-3β-ol

Product Code.	00793	Grade	
Purity	99%	CAS No.	57-88-5
Molecular Formula	C27H46O	Molecular Weight	386.66
H.S.Code	2906.13100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Odorless
Melting point/ Freezing point [°C]	147 - 149 °C	Boiling point [°C]	360 °C	Density [g/cm3]	1.03
Solubility in water [% weight]	Insoluble in water				

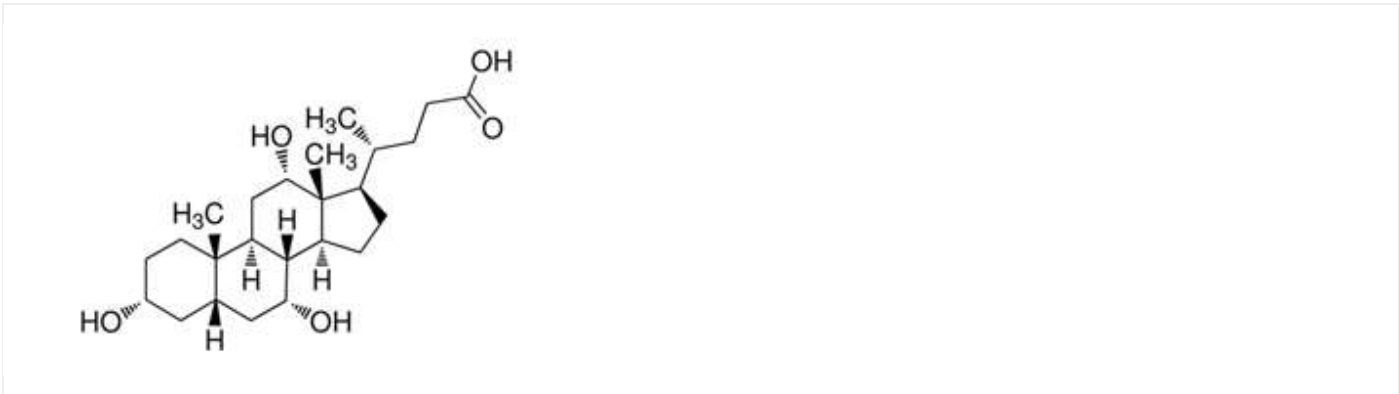
Specification

Appearance	White to off-white crystalline powder
Assay	Min 99%
Melting point	148 - 150 deg C
Free acid	Passes test
Lipoid impurities, phospholipoids	Passes test

CHOLIC ACID 98% FOR BIOCHEMISTRY

3a,7a,12a-Trihydroxy-5β-cholanic acid; Cholanic acid

Product Code.	00794	Grade	
Purity	98%	CAS No.	81-25-4
Molecular Formula	C24H40O5	Molecular Weight	408.58
H.S.Code	2918.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to light brown	Odour	Odorless
Melting point/ Freezing point [°C]	198°C	Solubility in water [% weight]	Partially soluble in water		

Packaging

Specification

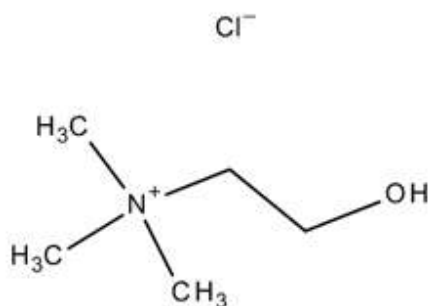
Appearance	White to light brown fine powder
Assay (acidimetric)	98 - 101%
Melting range	196 - 202°C
Chloride (Cl)	Max 0.002%
Deoxycholic acid	Max 0.5%

Safety Information and Hazard Symbols

CHOLINE CHLORIDE 98% EXTRAPURE

(2-Hydroxyethyl)trimethylammonium chloride

Product Code.	00795	Grade	
Purity	98%	CAS No.	67-48-1
Molecular Formula	C ₅ H ₁₄ ClNO	Molecular Weight	139.63
H.S.Code	2923.10000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Slight amine odor
pH value	5 - 6.5	Melting point/ Freezing point [°C]	302 - 305 °C	Solubility in water [% weight]	Soluble in water

Specification

Appearance	White crystalline hygroscopic powder
Assay (on anhydrous basis)	98 - 100.5%
Moisture (by KF)	Max 2.0%
Sulphated ash	Max 0.2%
Free amine (as dimethylamine)	Max 0.1%

Safety Information and Hazard Symbols

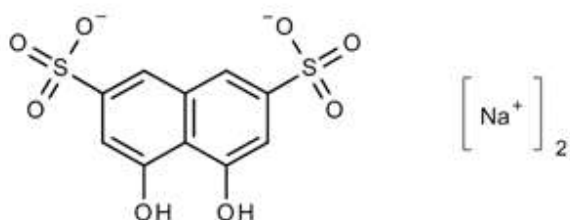


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

CHROMOTROPIC ACID DISODIUM SALT 98% EXTRAPURE

1,8-Dihydroxynaphthalene-3,6-disulfonic acid disodium salt; 4,5-Dihydroxynaphthalene-2,7-disulfonic acid disodium salt

Product Code.	00811	Grade	
Purity	98%	CAS No.	5808-22-0
Molecular Formula	C10H6Na2O8S2.2H2O	Molecular Weight	400.29
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown powder	Odour	Odorless
Melting point/ Freezing point [°C]	>300°C	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	Brown colored powder
Assay (acidimetric)	Min 98%
Water (H2O)	8.5 - 9.5%

Safety Information and Hazard Symbols

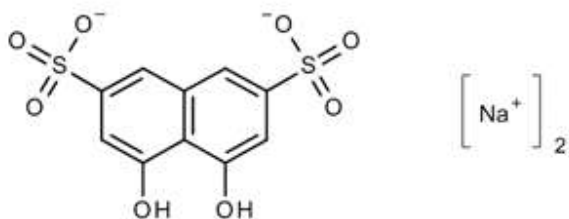


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

CHROMOTROPIC ACID DISODIUM SALT 98.5% AR

Versatile analytical reagent for the TLC determination of the methylenedioxy group for the estimation of ethylene glycol in biological materials reagent for chromium, nitrate and titanium. Suitable for formaldehyde determination. 1,8-Dihydroxynaphthalene-3,6-disulfonic acid disodium salt; 4,5-Dihydroxynaphthalene-2,7-disulfonic acid disodium salt

Product Code.	00812	Grade	AR/ACS
Purity	98.5%	CAS No.	5808-22-0
Molecular Formula	C10H6Na2O8S2.2H2O	Molecular Weight	400.29
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown powder	Odour	Odorless
Melting point/ Freezing point [°C]	>300°C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Grayish white to grayish brown powder
Assay (acidimetric)	Min 98.5%
Appearance of solution	Passes test
Water (by KF)	8.5 - 9.5%
Suitability (for determination of formaldehyde)	Passes test
Suitability (for determination of nitrate)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

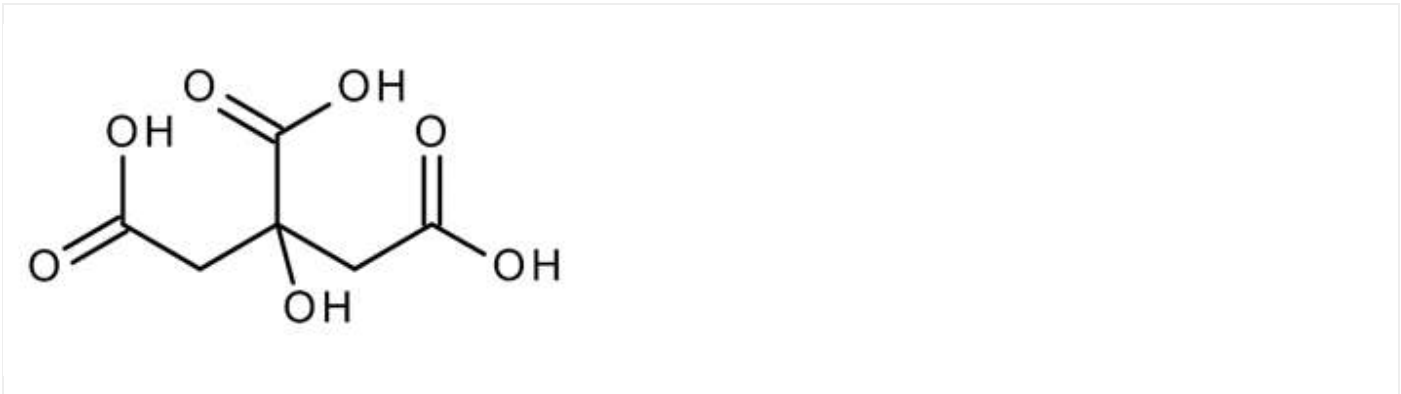
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

CITRIC ACID (ANHYDROUS) (FOR MOLECULAR BIOLOGY)

2-Hydroxy-1,2,3-propanetricarboxylic acid anhydrous

Product Code.	00822	Grade	
Purity	99.5%	CAS No.	77-92-9
Molecular Formula	C6H8O7	Molecular Weight	192.13
H.S.Code	2918.14000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	153 - 159 °C	Flash point [°C]	173.9 °C	Boiling point [°C]	175°C
Vapour pressure mm/Hg	3.70E-009 mm Hg @ 250C	Vapour density	7.26	Density [g/cm3]	1.665
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	White crystalline powder
Assay	Min 99.5%
Water (by KF)	Max 0.5%
Sulphated ash	Max 0.05%
Iron (Fe)	Max 0.005%

Heavy metal (as Pb)	Max 0.001%
Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.015%
Reaction against H2SO4	Passes test

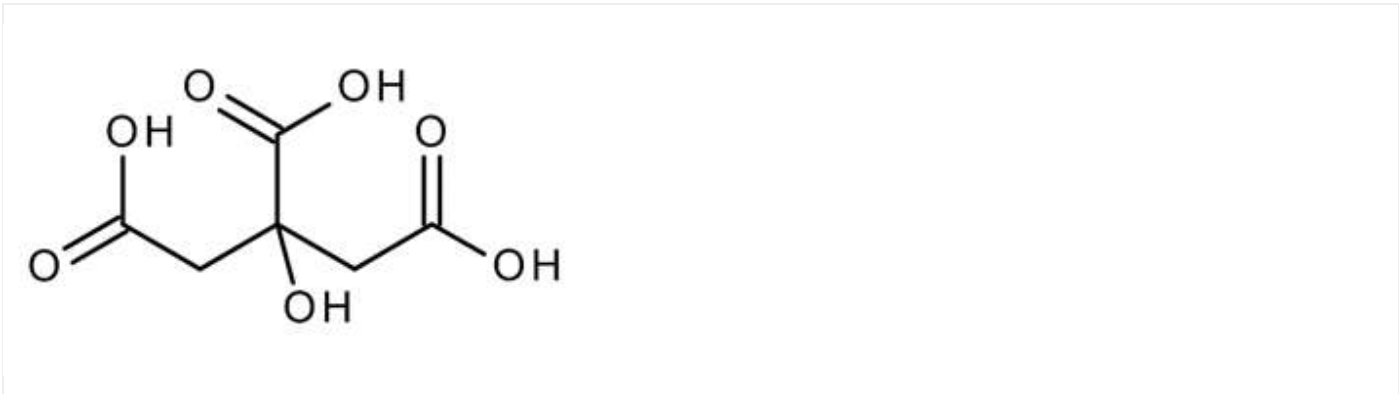
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319 Precaution Statement: P305 + P351 + P338

CITRIC ACID ANHYDROUS AR 99.5%

Confirms to BP 2-Hydroxy-1,2,3-propanetricarboxylic acid anhydrous

Product Code.	00821	Grade	
Purity	99.5%	CAS No.	77-92-9
Molecular Formula	C6H8O7	Molecular Weight	192.13
H.S.Code	2918.14000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	153 - 159 °C	Flash point [°C]	173.9 °C	Boiling point [°C]	175°C
Vapour pressure mm/Hg	3.70E-009 mm Hg @ 250C	Vapour density	7.26	Density [g/cm3]	1.665
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	White crystalline powder
Assay (alkalimetric)	99.5 - 100.5%
Identity (IR)	Passes test
Chloride (Cl)	Max 0.001%
Insoluble matter in water	Max 0.005%

Iron (Fe)	Max 0.0003%
Sulphate (SO ₄)	Max 0.005%
Phosphate (PO ₄)	Max 0.001%
Heavy metal (as Pb)	Max 0.0005%
Arsenic (As)	Max 0.0001%
Mercury (Hg)	Max 0.0001%
Lead (Pb)	Max 0.0002%
Oxalate (as C ₂ H ₂ O ₄)	Passes test
Sulphated ash (at 600°C)	Max 0.05%
Substance carbonizable by hot H ₂ SO ₄	Passes test
Water (by KF)	Max 0.5%

Safety Information and Hazard Symbols

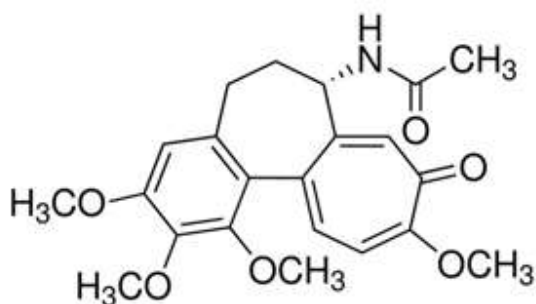


Symbol: GHS07
 Signal Word: Warning
 Hazardous Statement: H319
 Precaution Statement: P305 + P351 + P338

COLCHICINE 98.5% EXTRAPURE

(Inhibitor of microtubules by specific binding tubulin. Used in research in plant genetics for doubling Chromosomes) (S)-N-(5,6,7,9-Tetrahydro-1,2,3,10-tetramethoxy-9-oxobenzo[a]heptalen-7-yl)acetamide

Product Code.	00840	Grade	Extrapure
Purity	98.5%	CAS No.	64-86-8
Molecular Formula	C22H25NO6	Molecular Weight	399.44
H.S.Code	2939.80000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	6
Melting point/ Freezing point [°C]	150 - 160 °C	Solubility in water [% weight]	Soluble		

Specification

Appearance	White to yellow powder
Assay	Min. 98.5%
Water (by KF)	Max. 2.0%

Safety Information and Hazard Symbols


Symbol: GHS05, GHS06, GHS08 Signal Word: Danger UN No.: 1544 IMCO Class No.: 6.1 Packing Group: I Hazardous Statement: H300 + H330-H318-H340 Precaution Statement: P201-P260-P264-P280-P284-P301 + P310

COLLODION 4% W/V

Nitro Cellouse

Product Code.	00841	Grade	
Purity	4%	CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless to light yellow	Odour	Etheral odour
Odour threshold	100 ppm	pH value	7	Melting point/ Freezing point [°C]	-114.1°C
Critical temperature [°C]	192.7°C	Auto-ignition temperature [°C]	170 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-52 °C	Boiling point [°C]	36.111°C	Vapour pressure [20°C]	58.6 kPa (@ 20°C)
Vapour density	>1	Density [g/cm3]	0.76	Solubility in water [% weight]	Slightly soluble in water
Explosion limits - upper [%]	36%	Explosion limits -lower [%]	1.70%		

Packaging



Specification

Appearance	Colorless to faint yellowish clear to opalescent viscous liquid
Assay (w/w)	5 - 5.5%
Ethanol (G.C.) (v/v)	22 - 26%
Density (at 25°C)	0.765 - 0.775 g/mL

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1993

IMCO Class No.: 3

Packing Group: I

Hazardous Statement: H224-H302-H336

Precaution Statement: P210-P261

COLLODION FLEXIBLE
Confirms BP specification Nitrocellulose.

Product Code.	00842	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3912.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless to light yellow	Odour	Ethereal odour
Odour threshold	100 ppm	pH value	7	Melting point/ Freezing point [°C]	-123°C
Critical temperature [°C]	192.7°C	Auto-ignition temperature [°C]	180 - 190°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-32°C	Boiling point [°C]	36.111°C	Evaporation rate	37.5
Vapour pressure mm/Hg	440 @ 20C	Vapour density	>1	Density [g/cm3]	0.78
Solubility in water [% weight]	Slightly soluble in water	Explosion limits - upper [%]	36%	Explosion limits -lower [%]	0.60%

Packaging



Specification

Appearance	A clear, yellow colored liquid
Weight/ mL at 20°C	0.770 - 0.779 g
Alcohol content	21 - 25%
Identification 'A'	Passes test
Identification 'B'	Passes test

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1993

IMCO Class No.: 3

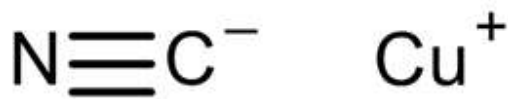
Packing Group: I

Hazardous Statement: H224-H302-H336

Precaution Statement: P210-P261

COPPER (I) CYANIDE EXTRAPURE
Cuprous Cynaide

Product Code.	00863	Grade	
Purity	68.0% (as Cu)	CAS No.	544-92-3
Molecular Formula	CuCN	Molecular Weight	89.56
H.S.Code	2837.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Cream colour	Melting point/ Freezing point [°C]	474 °C
Density [g/cm3]	2.92				

Specification

Appearance	Cream coloured powder
Assay (as Cu)	Min 68.0%

Safety Information and Hazard Symbols

 
Symbol: GHS06, GHS09 Signal Word: Danger UN No.: 1587 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H300-H310-H330-H410 Precaution Statement: P260-P264-P273-P280-P284-P301 + P310

COPPER (I) POTASSIUM CYANIDE EXTRAPURE

Insoluble in water,dec. to CuCN by cold oil H2SO4 or heating in water soluble in DMSO Potassium copper(I) cyanide

Product Code.	00871	Grade	
Purity		CAS No.	13682-73-0
Molecular Formula	C2CuKN2	Molecular Weight	154.67
H.S.Code	2837.19900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	290 °C
Density [g/cm3]	4				

Packaging

Specification

Appearance	White powder
Copper (Cu)	Min 41.0%
Potassium (K)	Min 25.0%

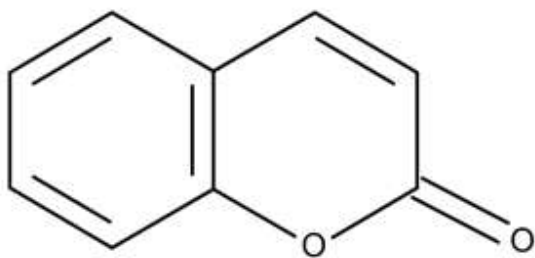
Safety Information and Hazard Symbols

 
Symbol: GHS06, GHS07 Signal Word: Danger UN No.: 1679 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H300-H340 Precaution Statement: P201-P264-P301 + P310-P308 + P313

COUMARIN 99% FOR SYNTHESIS

Fluorescent Indicator 1,2-Benzopyrone, 1-Benzopyran-2-one, 2H-Chromen-2-one ; 2H-1-Benzopyran-2-One

Product Code.	00877	Grade	
Purity	99%	CAS No.	91-64-5
Molecular Formula	C9H6O2	Molecular Weight	146.15
H.S.Code	2932.20100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	140 - 144 °C

Specification

Appearance	White crystals/crystalline powder
Assay	Min 99%
Melting point	68 - 71 deg C

Safety Information and Hazard Symbols

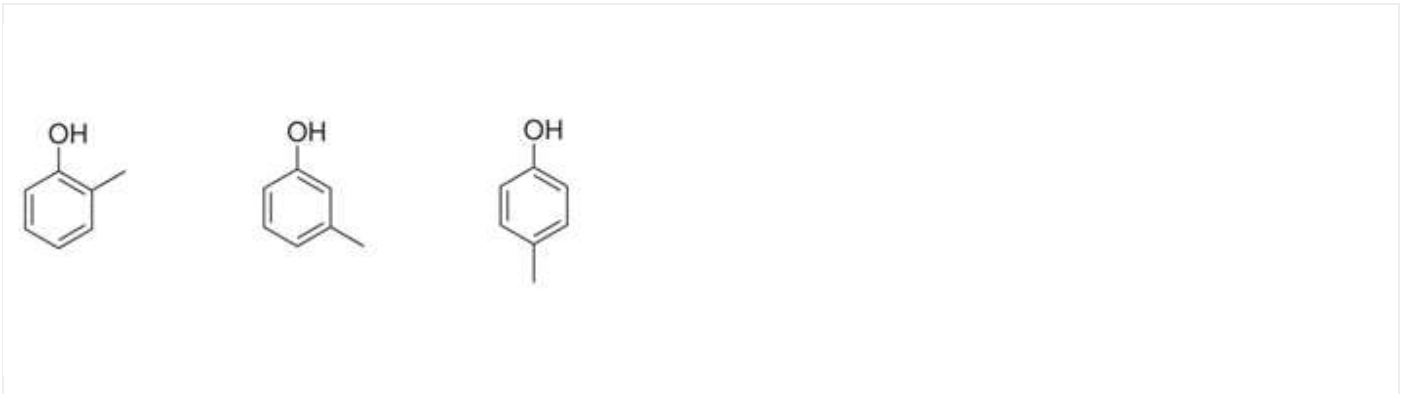


Symbol: GHS06
Signal Word: Danger
UN No.: 2811
IMCO Class No.: 6.1
Packing Group: III
Hazardous Statement: H301
Precaution Statement: P301 + P310

CRESOL MIXED ISOMERS (CRESYLIC ACID)

Cresylic acid

Product Code.	00893	Grade	
Purity		CAS No.	1319-77-3
Molecular Formula	C7H8O	Molecular Weight	108.14
H.S.Code	2907.12200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Dark brown coloured liquid	Melting point/ Freezing point [°C]	- 2 °C
Flash point [°C]	82 ° C	Boiling point [°C]	88-94 ° C	Initial boiling point [°C]	88° C
Final boiling point [°C]	94 ° C	Density [g/cm3]	1.04	Solubility in water [% weight]	1.932 g/100 mL

Packaging

Specification

Appearance	Colorless to yellow to dark brown liquid
Weight/ mL at 20°C	1.020 - 1.040 g/ml
Water (H2O)	Max 0.3%
Non volatile matter	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08

Signal Word: Danger

UN No.: 2076

IMCO Class No.: 6.1,8

Packing Group: II

Hazardous Statement: H301-H311-H314-H331-H341

Precaution Statement: P261-P280-P301 + P310-P305 + P351 + P338-P310

CRYOLITE 98% EXTRAPURE

Sodium Hexafluoroaluminate

Product Code.	00898	Grade	
Purity	98.5%	CAS No.	15096-52-3
Molecular Formula	Na3AlF6	Molecular Weight	209.94
H.S.Code	2826.30000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder

Packaging

Specification

Appearance	White powder
Assay	Min 98.5%
Loss on drying (at 105°C)	Max 0.2%
Iron (Fe)	Max 0.05%
Silicic acid (SiO2)	Max 0.02%

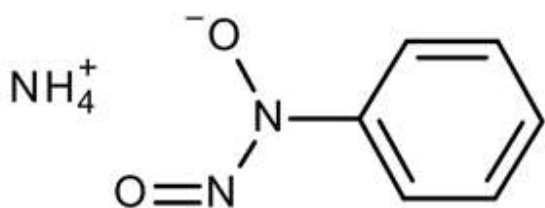
Safety Information and Hazard Symbols


Symbol: GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H332-H372-H411 Precaution Statement: P273-P314

CUPFERRON AR

(contains small pouches of ammonium carbonate as preservative) N-nitroso-N-phenylhydroxylamine ammonium salt AR

Product Code.	00902	Grade	AR
Purity		CAS No.	135-20-6
Molecular Formula	C6H9N3O2	Molecular Weight	155.16
H.S.Code	2928.00900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish	Melting point/ Freezing point [°C]	150 °C

Packaging



Specification

Appearance	White to yellow-brown crystalline powder or flakes
Infrared spectrum	Conforms to structure
Substance insoluble in water	Max 0.01%
Sulphated ash	Max 0.05%
Suitability (for the precipitation of iron (III) ions)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

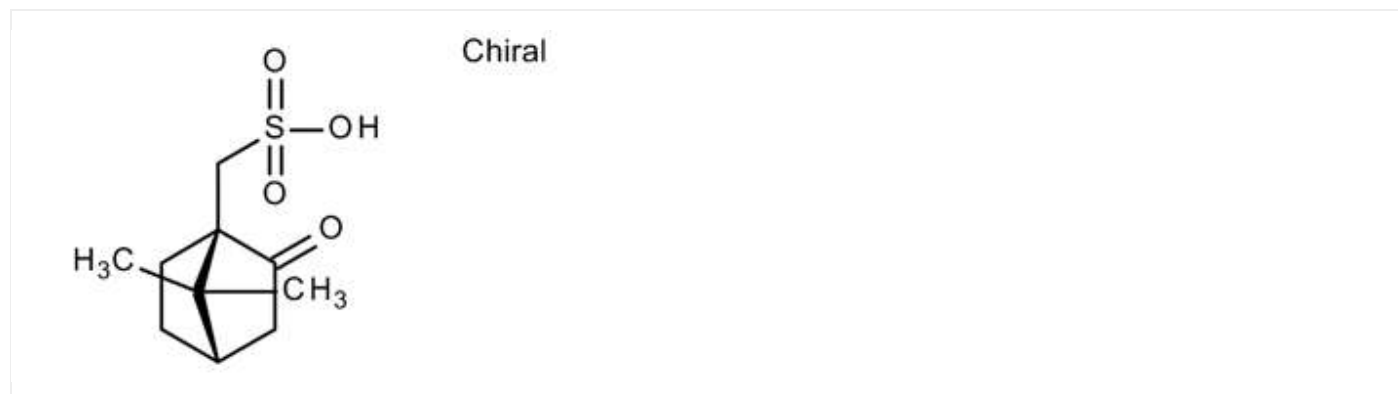
Hazardous Statement: H301-H315-H319-H335-H351

Precaution Statement: P261-P281-P301 + P310-P305 + P351 + P338

D-10 CAMPHOR SULPHONIC ACID 99% FOR SYNTHESIS

D-10 CAMPHOR SULPHONIC ACID

Product Code.	00670	Grade	
Purity	99%	CAS No.	3144-16-9
Molecular Formula	C ₁₀ H ₁₆ O ₄ S	Molecular Weight	232.50
H.S.Code	2914.79900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	1.2 - 1.4
Melting point/ Freezing point [°C]	200 °C				

Packaging



Specification

Appearance	White to off white powder
Assay	Min. 99.0%
Melting range	193 - 196°C
Specific optical rotation ([α] _D ²⁰ ; 10% in water)	+20° to +22°

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: Danger

UN No.: 3261

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H314

Precaution Statement: P280-P305 + P351 + P338-P310

DARCO G 60

Active Charcoal from spruce wood washed in acid Darco G60 is the Trade Mark of Atlas Chem. Ind. Inc.

Product Code.	00928	Grade	
Purity		CAS No.	7440-44-0
Molecular Formula		Molecular Weight	12.01
H.S.Code	3802.90190	Shelf Life	60 Months

C

Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
pH value	5 - 10	Melting point/ Freezing point [°C]	3550°C	Vapour pressure [20°C]	< 0.01 hPa at 20 °C
Vapour density	0.4	Density [g/cm3]	1.8 - 2.1	Solubility in water [% weight]	Insoluble in water

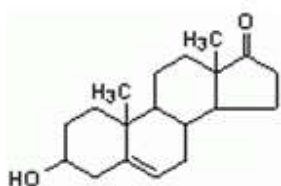
Packaging

Specification

Appearance	Black powder
Moisture content	Max 12%
Water soluble matter	Max 0.5%
Acid soluble matter (iron)	Max 0.02%
Methylene blue absorption	Min 15g /100gm

DEHYDRO-EPI-ANDROSTERONE 97% FOR BIOCHEMISTRY

Product Code.	00937	Grade	
Purity	97%	CAS No.	53-43-0
Molecular Formula	C19H28O2	Molecular Weight	288.43
H.S.Code	2937.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	146 - 150°C

Packaging

Specification

Appearance	White crystalline powder
Assay	Min 97%
Melting point	146 - 150 deg C

Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

DEVARDA'S ALLOY POWDER AR

Reducing agent for determination of nitrogen in nitrates and nitrites.

Product Code.	00939	Grade	
Purity		CAS No.	8049-11-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	7403.29000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey powder	Odour	Odorless
Melting point/ Freezing point [°C]	550 °C	Solubility in water [% weight]	Negligible (< 0.1%)		

Packaging

Specification

Appearance	Gray colored powder
Total nitrogen (N)	Max 0.001%
Copper (Cu)	About 50%
Aluminium (Al)	About 45%
Zinc (Zn)	About 5%

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Danger UN No.: 3089 IMCO Class No.: 4.1 Packing Group: II Hazardous Statement: H228 Precaution Statement: P210

DEVARDAS ALLOY EXTRAPURE

Contains about 45% Al, 50% Cu, 5% Zn

Product Code.	00938	Grade	
Purity		CAS No.	8049-11-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	7403.29000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey powder	Odour	Odorless
Melting point/ Freezing point [°C]	550 °C	Solubility in water [% weight]	Negligible (< 0.1%)		

Packaging

Specification

Appearance	Gray coloured powder
Ammonium & nitrate (as NH4)	Max 0.002%

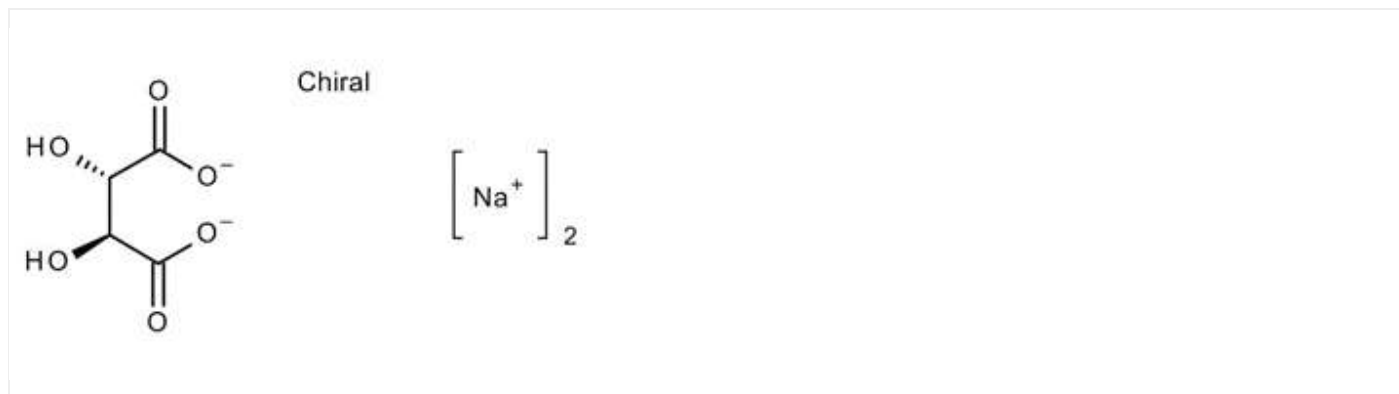
Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Danger UN No.: 3089 IMCO Class No.: 4.1 Packing Group: II Hazardous Statement: H228 Precaution Statement: P210

DI-SODIUM TARTRATE DIHYDRATE 99% AR

Volumetric standard for the standardisation of KARL FISCHER reagent for use in the determination of water. L-(+)-Tartaric acid disodium salt, Disodium tartrate dihydrate, Sodium tartrate dihydrate

Product Code.	02519	Grade	AR
Purity	99.0%	CAS No.	6106-24-7
Molecular Formula	C ₄ H ₄ Na ₂ O ₆ ·2H ₂ O	Molecular Weight	230.08
H.S.Code	2918.13900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Slight tartaric odor
pH value	7 - 9 at 50 g/l at 20 °C	Melting point/ Freezing point [°C]	120°C	Density [g/cm3]	1.82
Solubility in water [% weight]	29 g/100 g water at 60C				

Packaging

Specification

Appearance	White crystalline powder
Assay (by HClO ₄ titration)	99.0-101.0%
Identity (IR)	Passes test
Optical rotation (c = 10%; H ₂ O)	+25.0° to +27.0°
Insoluble matter (10% in water)	Max 0.005%

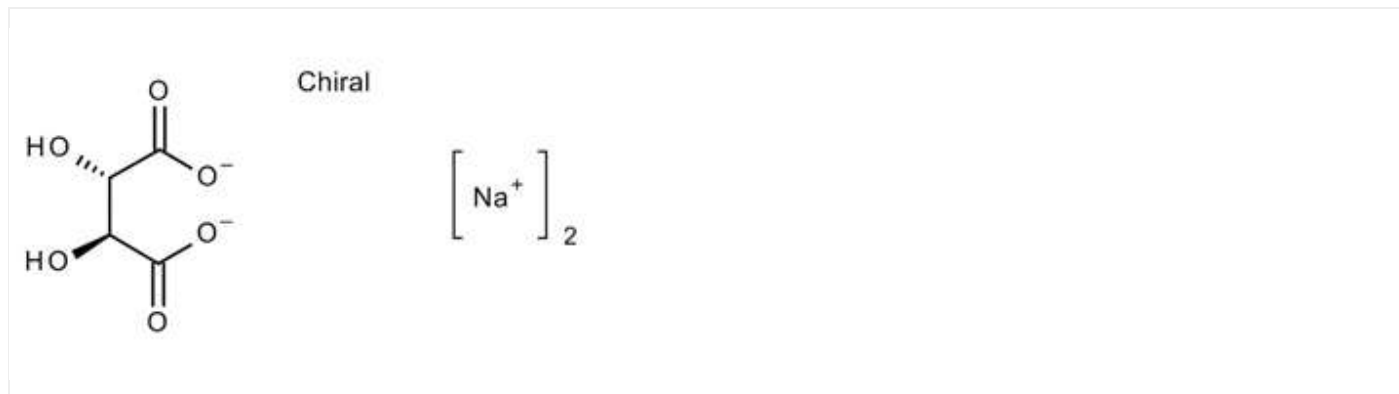
pH (5% solution in water; 25°C)	7.0 - 9.0
Loss on drying (150°C to constant weight)	15.61 - 15.71 %
Chloride (Cl)	Max 0.0005%
Iron (Fe)	Max 0.001%
Heavy metal (as Pb)	Max 0.0005%
Ammonium (NH4)	Max 0.003 %
Sulphate (SO4)	Max 0.005%
Phosphate (PO4)	Max 0.0005%
Calcium (Ca)	Max 0.01%

Safety Information and Hazard Symbols

DI-SODIUM TARTRATE DIHYDRATE 99% EXTRAPURE

L-(+)-Tartaric acid disodium salt, Disodium tartrate dihydrate, Sodium tartrate dihydrate

Product Code.	02518	Grade	
Purity	99%	CAS No.	6106-24-7
Molecular Formula	(CHOH.COONa)2.2H2O	Molecular Weight	230.08
H.S.Code	2918.13900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Slight tartaric odor
pH value	7 - 9 at 50 g/l at 20 °C	Melting point/ Freezing point [°C]	120°C	Density [g/cm3]	1.82
Solubility in water [% weight]	29 g/100 g water at 60C				

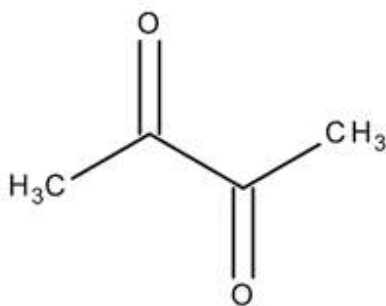
Specification

Appearance	White crystalline powder
Assay (by HClO4 titration)	Min 99%
pH (5% solution in water; 25°C)	7.0 - 9.0
Chloride (Cl)	Max 0.01%
Sulphate (SO4)	Max 0.05%
Iron (Fe)	Max 0.004%
Heavy metal (as Pb)	Max 0.002%

DIACETYL 98% FOR SYNTHESIS

2,3-Butanedione

Product Code.	00945	Grade	For Synthesis
Purity	98%	CAS No.	431-03-8
Molecular Formula	C4H6O2	Molecular Weight	86.09
H.S.Code	2914.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Deep yellow	Odour	Stench
pH value	3.2	Melting point/ Freezing point [°C]	- 2.0 °C	Auto-ignition temperature [°C]	345 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	7 °C	Boiling point [°C]	88.0 - 89.0 °C
Initial boiling point [°C]	88°C	Final boiling point [°C]	89°C	Vapour pressure [20°C]	52.2 mmHg 20 °C
Vapour pressure mm/Hg	52.2 mmHg 20 °C	Vapour density	3	Density [g/cm3]	0.985
Solubility in water [% weight]	0.2 g/ml H2O Soluble	Partition coefficient Log Pow octanol / water at 20°C	0.467	Explosion limits - upper [%]	13%
Explosion limits -lower [%]	2.40%				

Packaging



Specification

Appearance	Clear yellow liquid
Assay	Min 98.0%
Density (d20°C/4°C)	0.984 - 0.987 g/ml

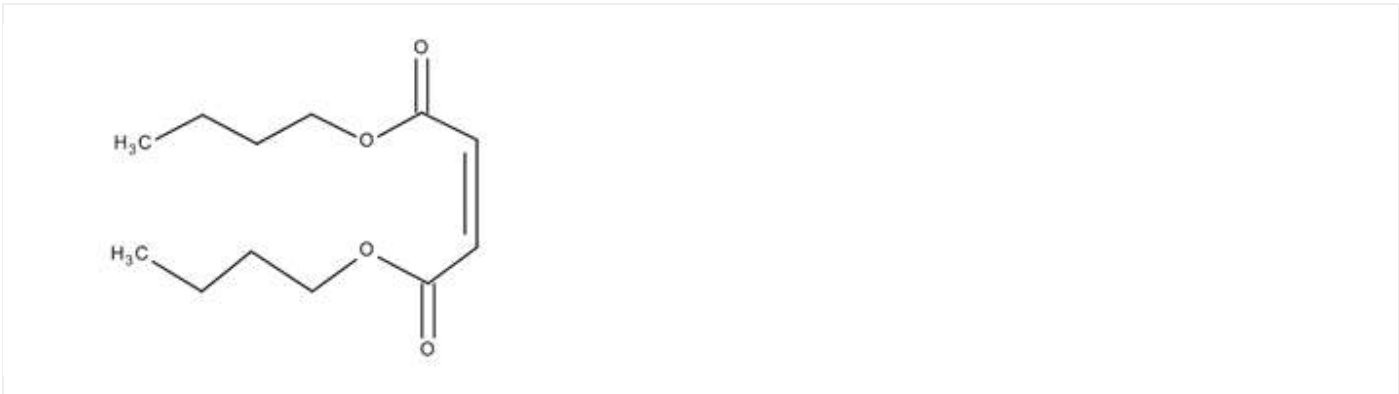
Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS06 Signal Word: Danger UN No.: 2346 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H302-H315-H318-H331-H335 Precaution Statement: P210-P261-P280-P305 + P351 + P338-P311

DIBUTYL MALEATE 97% FOR SYNTHESIS

Maleic acid dibutyl ester; Butyl maleate

Product Code.	00960	Grade	
Purity	97%	CAS No.	105-76-0
Molecular Formula	C12H20O4	Molecular Weight	228.29
H.S.Code	2917.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear viscous	Odour	Characteristic odor
Flash point [°C]	138 °C	Boiling point [°C]	281 °C	Vapour pressure [20°C]	< 1 hPa @20°C
Vapour density	7.9	Density [g/cm3]	0.99	Solubility in water [% weight]	Insoluble in water

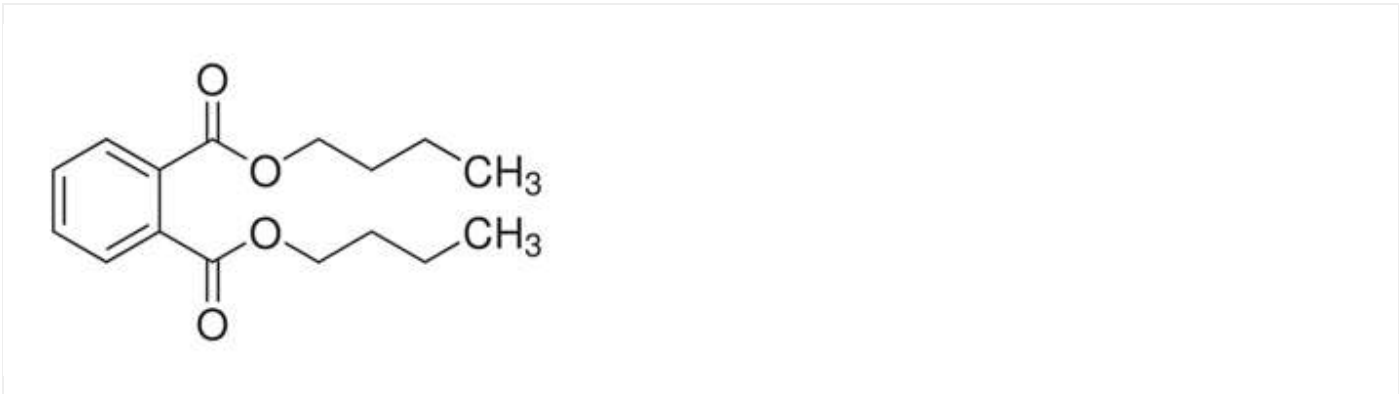
Specification

Appearance	Colourless liquid
Assay	Min 97%
Refractive index (20°C; 589 nm)	1.442 - 1.447
Density (d20°C/4°C)	0.992 - 0.996

DIBUTYL PHTHALATE 99% FOR SYNTHESIS

Di-n-Butyl phthalate; DBP; Phthalic acid dibutyl ester

Product Code.	00961	Grade	For Synthesis
Purity	99%	CAS No.	84-74-2
Molecular Formula	C16H22O4	Molecular Weight	278.35
H.S.Code	2917.39100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear viscous	Odour	Slight aromatic odor
Melting point/ Freezing point [°C]	-35 °C	Auto-ignition temperature [°C]	402°C	Flash point [°C]	171°C
Boiling point [°C]	340 °C	Vapour pressure [20°C]	< 0.01 @ 20°C	Vapour density	9.6
Density [g/cm3]	1.05	Solubility in water [% weight]	Insoluble in water	Explosion limits -lower [%]	0.47%

Packaging

Specification

Appearance	A clear colorless to slight yellow viscous liquid
Colour scale	Max 25 APHA
Assay	Min 99.0%
Density (d20°C/4°C)	1.045 - 1.047 g/ml

Safety Information and Hazard Symbols



Symbol: GHS08, GHS09

Signal Word: Danger

UN No.: 3082

IMCO Class No.: 9

Packing Group: III

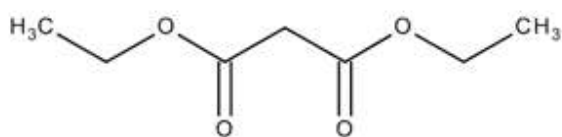
Hazardous Statement: H360Df-H400

Precaution Statement: P201-P273-P308 + P313

DIETHYL MALONATE 98% FOR SYNTHESIS

DEM; Malonic acid diethyl ester

Product Code.	01001	Grade	
Purity	98%	CAS No.	105-53-3
Molecular Formula	C7H12O4	Molecular Weight	160.17
H.S.Code	2917.19700	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Aromatic odor
Melting point/ Freezing point [°C]	-51 - -50 °C	Flash point [°C]	90 °C	Boiling point [°C]	199 °C
Vapour pressure [20°C]	0.26 @ 20°C	Vapour density	5.52	Density [g/cm3]	1.055
Solubility in water [% weight]	Slightly soluble in water				

Specification

Appearance	Clear, colorless liquid
Assay	Min 98%
Density (d20°C/4°C)	1.054 - 1.055

Safety Information and Hazard Symbols

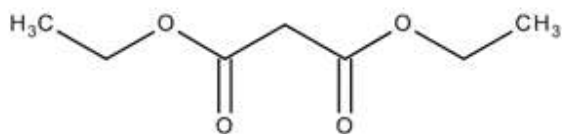


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H319
Precaution Statement: P305 + P351 + P338

DIETHYL MALONATE 99% AR

DEM; Malonic acid diethyl ester

Product Code.	01002	Grade	AR
Purity	99%	CAS No.	105-53-3
Molecular Formula	C7H12O4	Molecular Weight	160.17
H.S.Code	2917.19700	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Aromatic odor
Melting point/ Freezing point [°C]	-51 - -50 °C	Flash point [°C]	90 °C	Boiling point [°C]	199 °C
Vapour pressure [20°C]	0.26 @ 20°C	Vapour density	5.52	Density [g/cm3]	1.055
Solubility in water [% weight]	Slightly soluble in water				

Specification

Appearance	Clear, colorless liquid
Assay	Min 99.0%
Density (d20°C/4°C)	1.054 - 1.055 g/ml

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

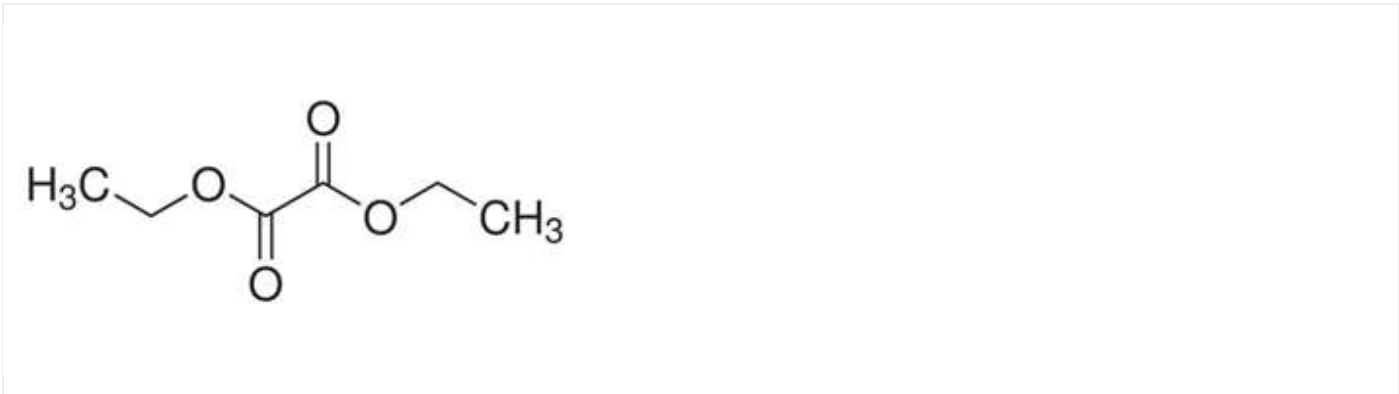
Hazardous Statement: H319

Precaution Statement: P305 + P351 + P338

DIETHYL OXALATE 99% FOR SYNTHESIS

Oxalic acid diethyl ester

Product Code.	01003	Grade	
Purity	99%	CAS No.	95-92-1
Molecular Formula	C6H10O4	Molecular Weight	146.14
H.S.Code	2917.11400	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Aromatic odor
Melting point/ Freezing point [°C]	-41 °C	Flash point [°C]	75 °C	Boiling point [°C]	185 °C
Vapour pressure [20°C]	1 mm Hg @ 2°C	Vapour pressure mm/Hg	1 mm Hg @ 20C	Vapour density	5.04
Density [g/cm3]	1.079	Solubility in water [% weight]	Insoluble in water	Explosion limits -lower [%]	0.80%

Packaging

Specification

Appearance	Clear, colorless liquid
Assay	Min 99%
Density (d20°C/4°C)	1.076 - 1.079
Refractive index (20°C; 589 nm)	1.409 - 1.410

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

UN No.: 2525

IMCO Class No.: 6.1

Packing Group: III

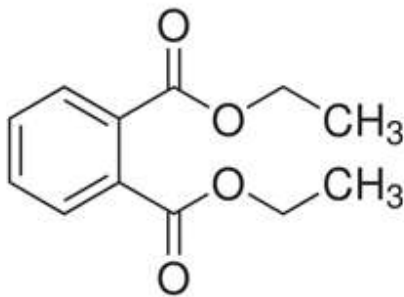
Hazardous Statement: H302-H319

Precaution Statement: P305 + P351 + P338

DIETHYL PHTHALATE 99% FOR SYNTHESIS

DEP

Product Code.	01005	Grade	For Synthesis
Purity	99%	CAS No.	84-66-2
Molecular Formula	C12H14O4	Molecular Weight	222.24
H.S.Code	2917.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Melting point/ Freezing point [°C]	3 °C
Auto-ignition temperature [°C]	457.22°C	Flash point [°C]	156°C	Boiling point [°C]	298 - 299 °C
Initial boiling point [°C]	298°C	Final boiling point [°C]	299 °C	Vapour density	7.7
Density [g/cm3]	1.12 g/mL at 25 °C	Solubility in water [% weight]	Slightly soluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.5
Explosion limits -lower [%]	0.75%				

Packaging

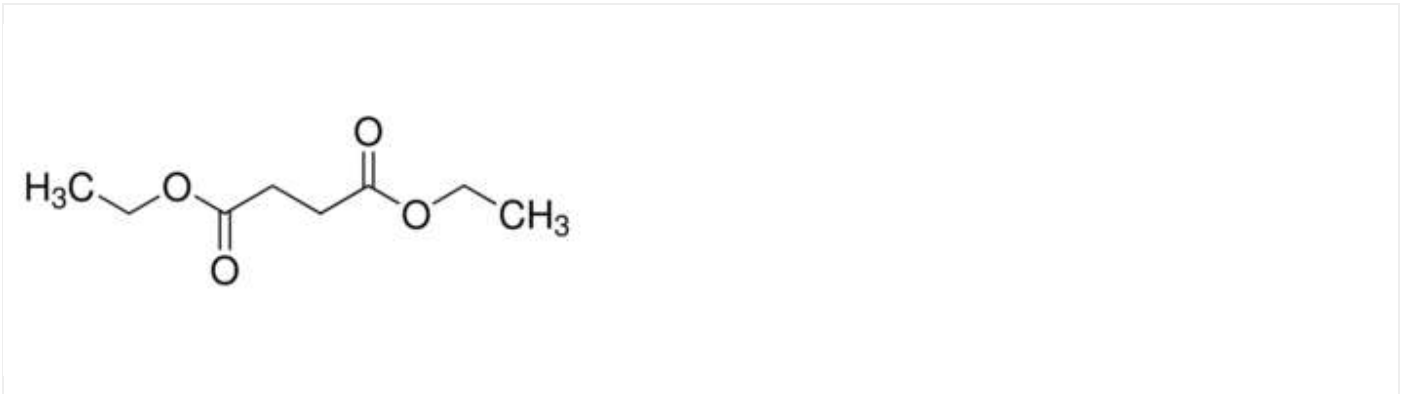
Specification

Appearance	Clear liquid
Colour scale	Max 25 APHA
Assay	Min 99.0%
Density (d20°C/4°C)	1.117 - 1.119 g/ml

DIETHYL SUCCINATE 99% FOR SYNTHESIS

Butanedioic Acid Diethyl Ester; Ethyl Succinate

Product Code.	01006	Grade	
Purity	99%	CAS No.	123-25-1
Molecular Formula	C8H14O4	Molecular Weight	174.19
H.S.Code	2917.19900	Shelf Life	60 Months



Physical Properties

Packaging

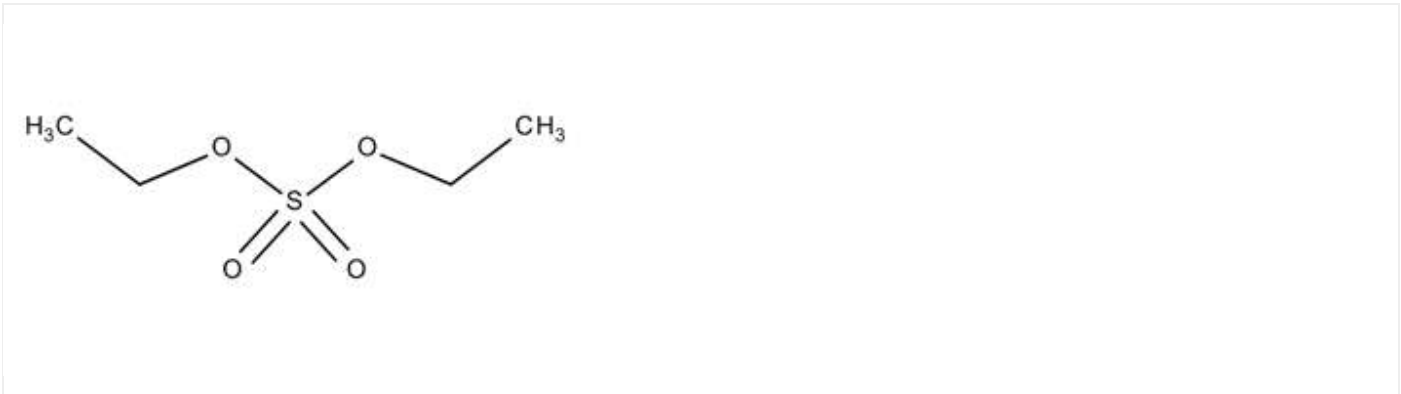
Specification

Appearance	Clear colorless liquid
Assay (GC area %)	Min 99.0%
Colour scale	Max 15 APHA
Refractive index (20°C; 589 nm)	1.419 - 1.423
Identity (IR)	Passes test
Specific gravity	1.036 - 1.040

Safety Information and Hazard Symbols

DIETHYL SULPHATE 99% FOR SYNTHESIS

Product Code.	01007	Grade	
Purity	99%	CAS No.	64-67-5
Molecular Formula	C4H10O4S	Molecular Weight	154.19
H.S.Code	2920.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-24 °C
Auto-ignition temperature [°C]	436.1 ° C	Flash point [°C]	104 °C	Boiling point [°C]	208 °C
Vapour pressure [20°C]	0.1 hPa at 20 °C	Vapour density	5.32	Density [g/cm3]	1.17
Solubility in water [% weight]	Insoluble	Explosion limits -lower [%]	4.10%		

Packaging

Specification

Appearance	Clear colourless liquid
Assay	Min 99%
Density (d20°C/4°C)	1.175 - 1.179
Refractive index (20°C; 589 nm)	1.395 - 1.405

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS08

Signal Word: Danger

UN No.: 1594

IMCO Class No.: 6.1

Packing Group: II

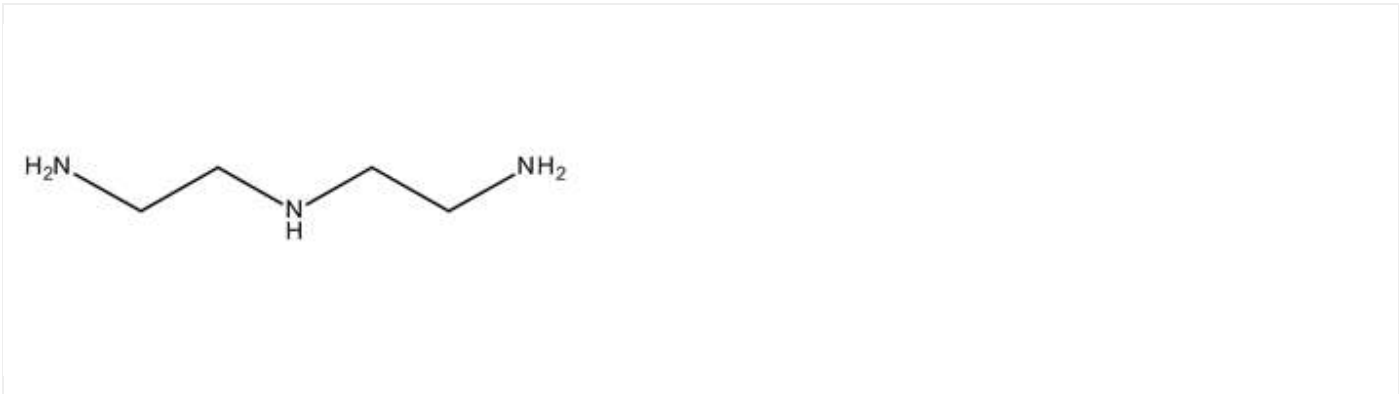
Hazardous Statement: H302-H312-H314-H332-H340-H350

Precaution Statement: P201-P280-P305 + P351 + P338-P310

DIETHYLENE TRIAMINE 98% FOR SYNTHESIS

2,2'-Diaminodiethylamine, 2,2'-Iminodiethylamine, Bis(2-aminoethyl)amine

Product Code.	00994	Grade	
Purity	98%	CAS No.	111-40-0
Molecular Formula	C4H13N3	Molecular Weight	103.17
H.S.Code	2921.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless to yellow	Odour	Slight ammonia odor
Melting point/ Freezing point [°C]	-35 °C	Auto-ignition temperature [°C]	358 °C	Flash point [°C]	102 °C
Boiling point [°C]	199 - 209 °C	Initial boiling point [°C]	199°C	Final boiling point [°C]	209 °C
Vapour pressure [20°C]	0.37 mm Hg @ 20°C	Vapour pressure mm/Hg	0.37 mm Hg @ 200C	Vapour density	3.56
Density [g/cm3]	0.96	Solubility in water [% weight]	Completely soluble in water	Explosion limits - upper [%]	6.70%
Explosion limits -lower [%]	2%				

Packaging

Specification

Appearance	Clear colourless to yellowish liquid
Assay	Min 98%

Density (d20°C/4°C)	0.949 - 0.952
Water (H2O)	Max 0.3%
Refractive index (20°C; 589 nm)	1.482 - 1.483

Safety Information and Hazard Symbols


Symbol: GHS05, GHS07 Signal Word: Danger UN No.: 2079 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H302-H312-H314-H317 Precaution Statement: P280-P305 + P351 + P338-P310

DIETHYLENE TRIAMINE PENTA ACETIC ACID PENTA SODIUM SALT 40% AQUEOUS SOLUTION

Product Code.	00997	Grade	
Purity		CAS No.	140-01-2
Molecular Formula	C14H18N3Na5O10.XH2O	Molecular Weight	503.30
H.S.Code	2922.49900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless to pale yellow	Odour	Odorless
Density [g/cm3]	1.303g /ml at 20 °C	Solubility in water [% weight]	Miscible in water		

Packaging

Specification

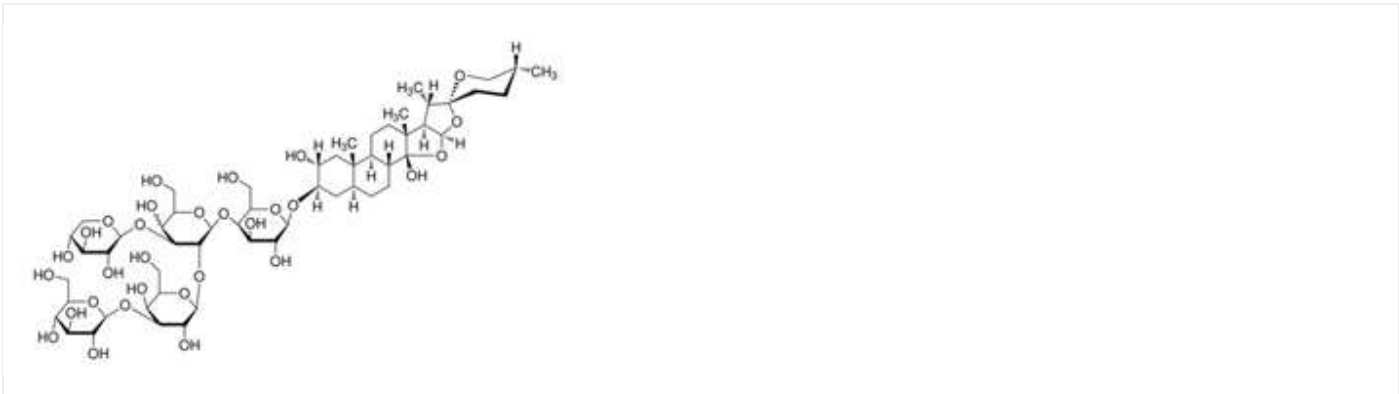
Appearance	A clear colourless to pale yellow solution
Concentration in water	~40.0%
Density (at 25°C)	1.303 g /ml
Refractive index (20°C; 589 nm)	1.424

Safety Information and Hazard Symbols

DIGITONIN 99% AR

Selectively precipitates cholesterol but not cholesterol ester. Digitin

Product Code.	01009	Grade	
Purity	99%	CAS No.	11024-24-1
Molecular Formula	C56H92O29	Molecular Weight	1229.34
H.S.Code	2938.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	230 - 240 °C
Decomposition point [°C]	240°C	Solubility in water [% weight]	Insoluble		

Packaging

Specification

Appearance	A white crystalline powder
Assay	Min 99%
Cholesterol	Max 0.1%
Sulphated ash	Max 0.1%
Loss on drying (at 105°C)	Max 6%

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Danger

UN No.: 3462

IMCO Class No.: 6.1

Packing Group: III

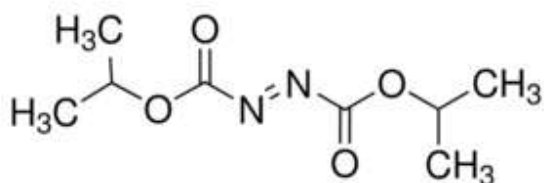
Hazardous Statement: H301-H311-H330

Precaution Statement: P260-P280-P284-P310

DIISOPROPYLAZODICARBOXYLATE 95% FOR SYNTHESIS

DIAD; Diisopropylazodiformate

Product Code.	01015	Grade	
Purity	95%	CAS No.	2446-83-5
Molecular Formula	C ₈ H ₁₄ N ₂ O ₄	Molecular Weight	202.21
H.S.Code	2927.00900	Shelf Life	60 Months



Specification

Appearance	Clear to slightly turbid yellow-orange to red liquid
Assay (GC area %)	Min 95.0%
Identity (IR)	Passes test
Density (at 20°C)	1.038-1.048
Refractive index (20°C; 589 nm)	1.4180 to 1.4220

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08, GHS09

Signal Word: Warning

UN No.: 3082

IMCO Class No.: 9

Packing Group: III

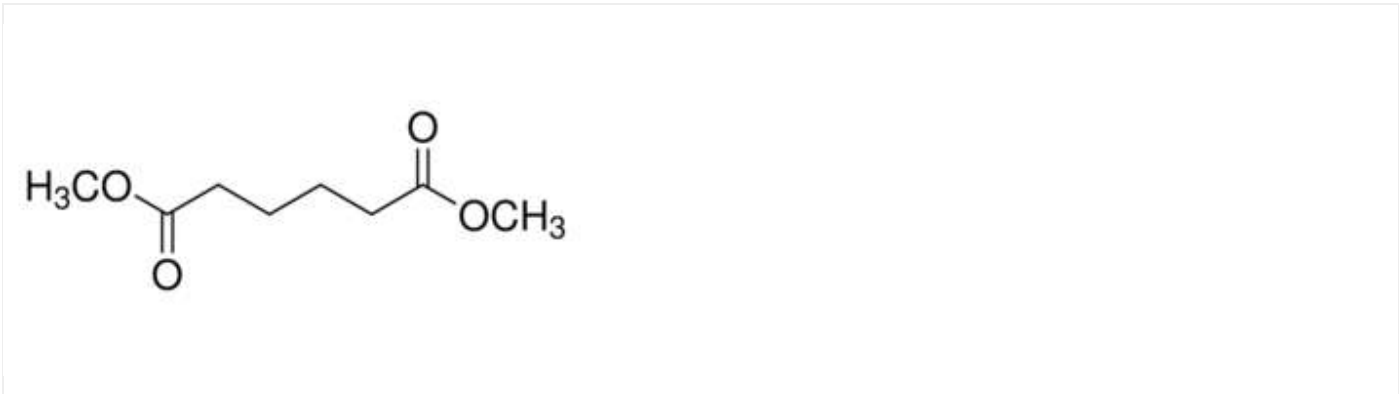
Hazardous Statement: H315-H319-H335-H351-H373-H411

Precaution Statement: P261-P273-P281-P305 + P351 + P338

DIMETHYL ADIPATE 99% FOR SYNTHESIS

Dimethyl hexanedioate; Adipic acid dimethyl ester; DBE 6 dibasic ester

Product Code.	01023	Grade	
Purity	98%	CAS No.	627-93-0
Molecular Formula	C8H14O4	Molecular Weight	174.19
H.S.Code	2917.12000	Shelf Life	60 Months



Physical Properties

Packaging

Specification

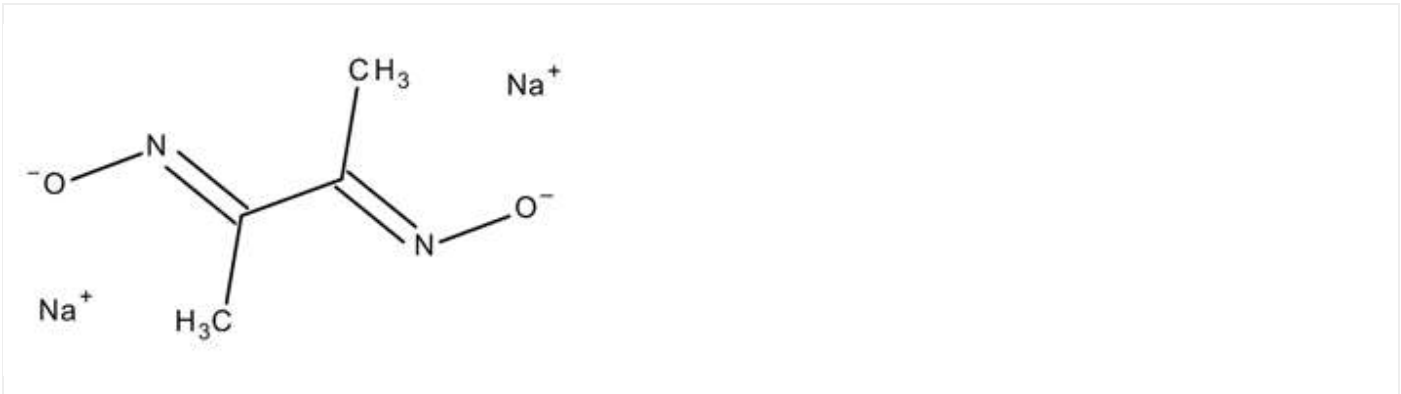
Appearance	Clear Colorless liquid
Assay (GC area %)	Min 99.0%
Identity (IR)	Passes test
Density (at 20°C)	1.060-1.063

Safety Information and Hazard Symbols

DIMETHYL GLYOXIME DISODIUM SALT OCTAHYDRATE 99% AR

2,3-Butanedione dioxime disodium salt.

Product Code.	01042	Grade	
Purity	99%	CAS No.	75006-64-3
Molecular Formula	C4H6N2Na2O2.8H2O	Molecular Weight	304.21
H.S.Code	2928.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Melting point/ Freezing point [°C]	> 300 °C

Packaging

Specification

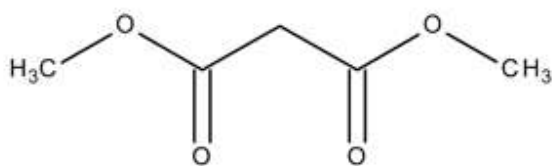
Appearance	White powder
Assay (by HClO4 titration; on anhydrous basis)	Min 99%
Insoluble matter in water	Max 0.01%
Water (H2O)	44 - 48%
pH (5% solution in water; 25°C)	12.0 - 13.0
Test on sensitivity to nickel	Passes test

Safety Information and Hazard Symbols

DIMETHYL MALONATE 99% FOR SYNTHESIS

Malonic acid dimethyl ester; Propanedioic acid dimethyl ester

Product Code.	01043	Grade	
Purity	99%	CAS No.	108-59-8
Molecular Formula	C5H8O4	Molecular Weight	132.11
H.S.Code	2917.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Melting point/ Freezing point [°C]	-62°C
Flash point [°C]	90°C	Boiling point [°C]	180°C	Density [g/cm3]	1.156
Solubility in water [% weight]	Partially soluble in water				

Specification

Appearance	A clear colourless liquid
Assay (GC area %)	Min 99%
Density (d20°C/4°C)	1.151 - 1.154

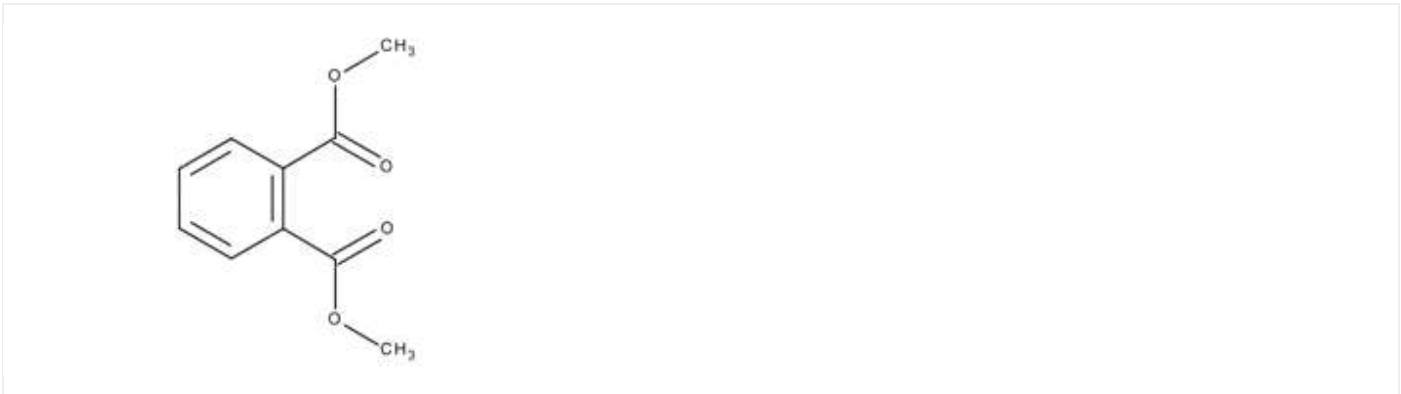
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

DIMETHYL PHTHALATE 99% FOR SYNTHESIS

DMP

Product Code.	01045	Grade	
Purity	99%	CAS No.	131-11-3
Molecular Formula	C10H10O4	Molecular Weight	194.19
H.S.Code	2917.39400	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Melting point/ Freezing point [°C]	3 °C
Auto-ignition temperature [°C]	457°C	Flash point [°C]	156 °C	Boiling point [°C]	298 - 299 °C
Initial boiling point [°C]	298°C	Final boiling point [°C]	299 °C	Vapour density	7.7
Density [g/cm3]	1.12 g/mL at 25 °C	Solubility in water [% weight]	Slightly soluble in water	Explosion limits -lower [%]	0.75%

Packaging

Specification

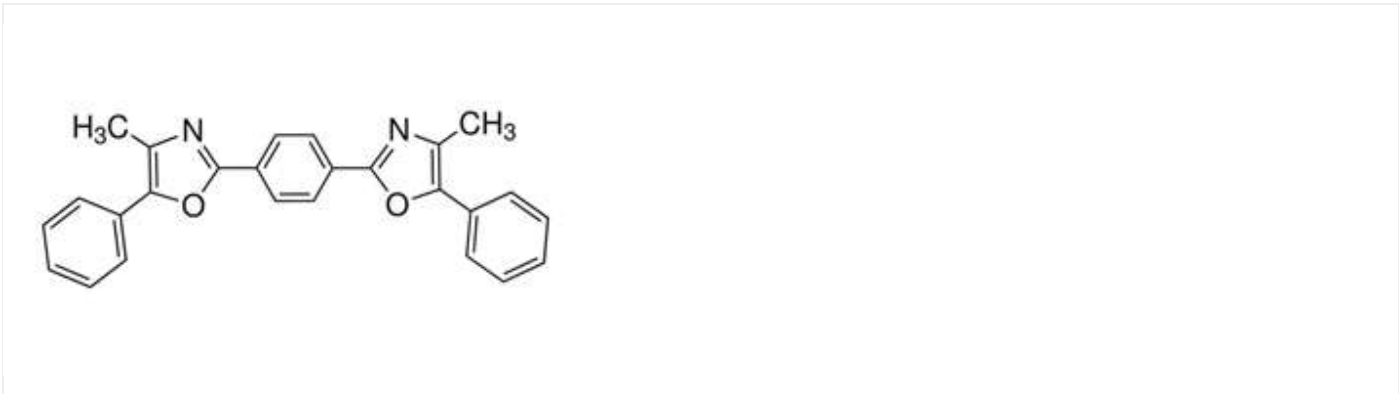
Appearance	Colorless liquid
Assay	Min 99%
Density (d20°C/4°C)	1.188 - 1.191

Safety Information and Hazard Symbols

DIMETHYL POPOP 99% SCINTILLATION GRADE

1, 4-bis-2-(4-methyl-5-phenyloxazolyl) benzene; 1,4-Bis(4-methyl-5-phenyl-2-oxazolyl)benzene

Product Code.	01046	Grade	
Purity	99%	CAS No.	3073-87-8
Molecular Formula	C26H20N2O2	Molecular Weight	392.46
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light yellow	Melting point/ Freezing point [°C]	233 - 235 °C

Packaging

Specification

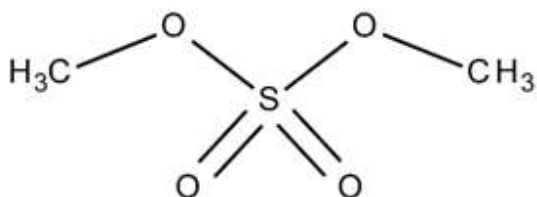
Appearance	Yellow to yellow green powder
Assay	Min 99%
Melting point	234 - 235 deg C

Safety Information and Hazard Symbols

DIMETHYL SULPHATE 99% FOR SYNTHESIS

Sulfuric Acid Dimethyl Ester

Product Code.	01047	Grade	For Synthesis
Purity	99%	CAS No.	77-78-1
Molecular Formula	(CH ₃) ₂ SO ₄	Molecular Weight	126.13
H.S.Code	2920.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear oily	Odour	Faint onion-like odor
Melting point/ Freezing point [°C]	-32 °C	Flash point [°C]	83°C	Boiling point [°C]	188 °C
Vapour pressure [20°C]	0.5 mm Hg @ 20°C	Vapour pressure mm/Hg	0.5 mm Hg @ 200C	Vapour density	4.35
Density [g/cm ³]	1.3283	Solubility in water [% weight]	2.8 g/100 ml @ 180C		

Packaging

Specification

Appearance	Almost clear Colorless liquid
Purity (by GC)	Min 99.0%
Density (d _{20°C/4°C})	1.325 - 1.327 g/ml

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08

Signal Word: Danger

UN No.: 1595

IMCO Class No.: 6.1,8

Packing Group: I

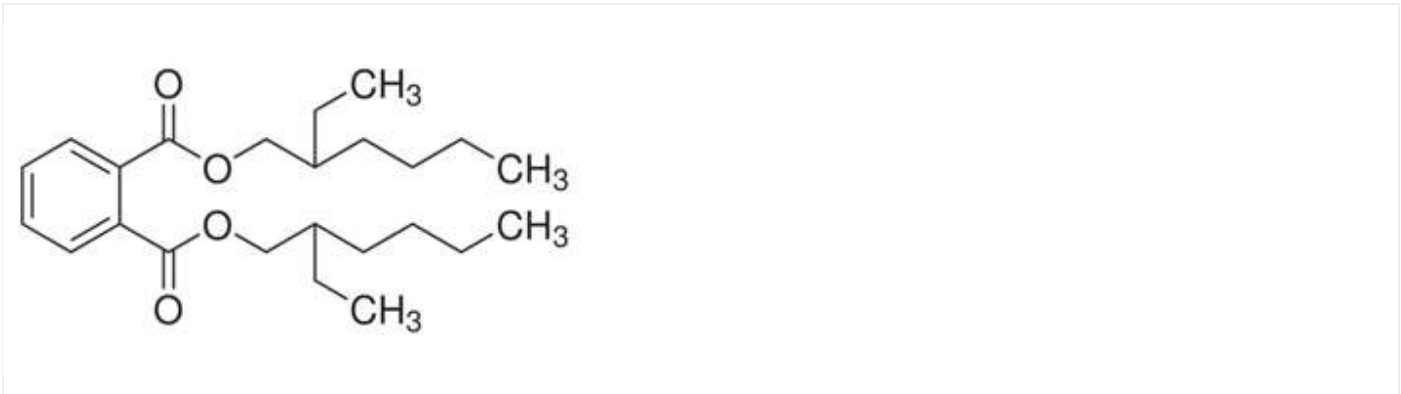
Hazardous Statement: H301-H314-H317-H330-H341-H350

Precaution Statement: P201-P260-P280-P284-P301 + P310-P305 + P351 + P338

DIOCTYL PHTHALATE 98% FOR SYNTHESIS

Bis(2-ethylhexyl)phthalate

Product Code.	01067	Grade	
Purity	98%	CAS No.	117-81-7
Molecular Formula	C24H38O4	Molecular Weight	390.57
H.S.Code	2917.39200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Melting point/ Freezing point [°C]	-50 °C
Auto-ignition temperature [°C]	390°C	Flash point [°C]	207 °C	Boiling point [°C]	384 °C
Vapour pressure mm/Hg	1.6 mm Hg at 93 °C	Density [g/cm3]	0.985 g/cm3 at 25 °C	Explosion limits -lower [%]	0.30%

Packaging

Specification

Appearance	A clear colorless liquid
Assay	Min 98%
Weight/ mL at 20°C	About 0.98 g

Safety Information and Hazard Symbols



Symbol: GHS08

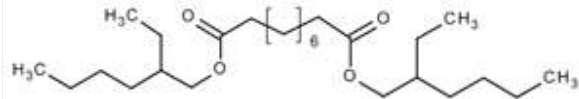
Signal Word: Danger

Hazardous Statement: H360FD

Precaution Statement: P201-P308 + P313

DIOCTYL SEBACATE 98% FOR SYNTHESIS [DI (2-ETHYLHEXYL) SEBACATE]
Di(2-Ethylhexyl)sebacate ;[di-(2-Diethyl Hexyl) Sebacate]

Product Code.	01068	Grade	For Synthesis
Purity	98%	CAS No.	122-62-3
Molecular Formula	C26H50O4	Molecular Weight	426.68
H.S.Code	2917.32000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear pale straw	Flash point [°C]	> 113°C
Boiling point [°C]	212 °C	Density [g/cm3]	0.914 g/mL at 25 °C		

Packaging

Specification

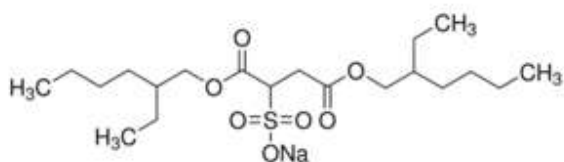
Appearance	Clear, pale straw coloured liquid
Purity (by GC)	Min 98.0%
Density (d20°C/4°C)	0.913 - 0.916 g/ml
Identity (IR)	Conforms

Safety Information and Hazard Symbols

DIOCTYL SODIUM SULPHOSUCCINATE (DOSS) 98% EXTRAPURE

Confirms to USP Aerosol OT, DOSS : (Manoxol OT) (DOSS)

Product Code.	01069	Grade	Extrapure
Purity	98%	CAS No.	577-11-7
Molecular Formula	C ₂₀ H ₃₇ NaO ₇ S	Molecular Weight	444.57
H.S.Code	3402.90190	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White	Odour	Characteristic odour
Melting point/ Freezing point [°C]	173 - 179 °C	Solubility in water [% weight]	Slightly soluble in water		

Specification

Appearance	White waxy solid
Assay	Min 98.0%
Water (H ₂ O)	Max 3%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

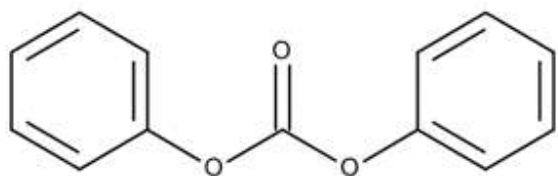
Hazardous Statement: H302-H315-H318

Precaution Statement: P280-P305 + P351 + P338

DIPHENYL CARBINOL 98% FOR SYNTHESIS (BENZHYDROL)

Phenyl Carbonate

Product Code.	01082	Grade	For Synthesis
Purity	98%	CAS No.	102-09-0
Molecular Formula	C13H10O3	Molecular Weight	214.22
H.S.Code	2920.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystals	Melting point/ Freezing point [°C]	79 - 82 °C
Flash point [°C]	168 °C	Boiling point [°C]	301 - 302 °C	Initial boiling point [°C]	301°C
Final boiling point [°C]	302 °C	Vapour density	7.4	Solubility in water [% weight]	Insoluble in water

Specification

Appearance	White crystals/scales/powder
Purity (by GC)	Min 98%
Melting range	76 - 79 °C
Identity	Conforms

Safety Information and Hazard Symbols

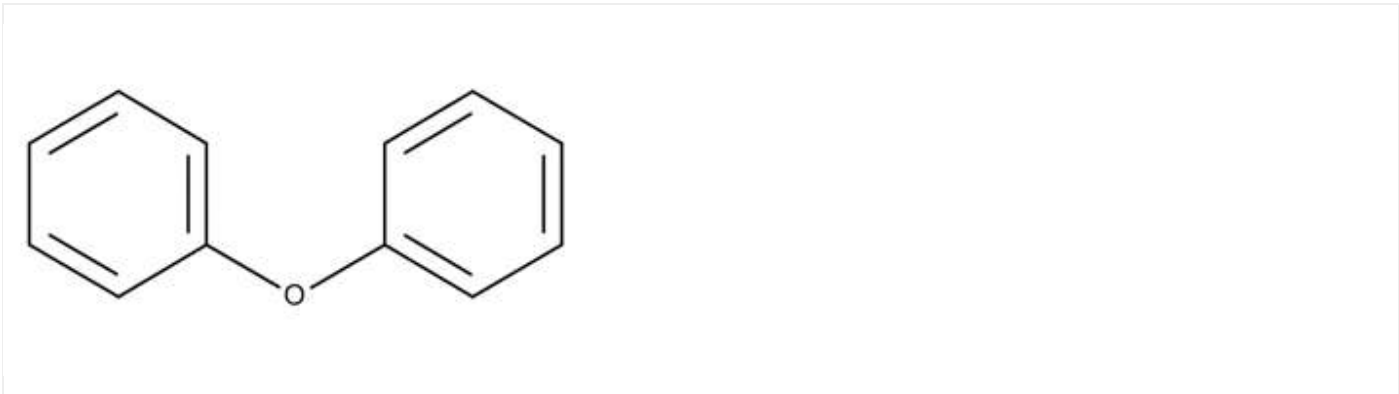


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302

DIPHENYL ETHER 98% FOR SYNTHESIS

Phenyl ether, Diphenyl oxide

Product Code.	01083	Grade	For Synthesis
Purity	98%	CAS No.	101-84-8
Molecular Formula	C12H10O	Molecular Weight	170.21
H.S.Code	2909.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Unpleasant
Melting point/ Freezing point [°C]	25 - 27 °C	Auto-ignition temperature [°C]	618°C	Flash point [°C]	115 °C
Boiling point [°C]	259 °C	Vapour pressure [20°C]	< 1 hPa at 20 °C	Vapour density	5.86
Density [g/cm3]	1.073	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	4.2
Explosion limits - upper [%]	1.50%	Explosion limits -lower [%]	0.80%		

Packaging

Specification

Appearance	A clear colorless liquid
Assay	Min 98.0%
Melting range	24 - 27 °C
Density (d20°C/4°C)	~1.07 g/ml

Refractive index (20°C; 589 nm)

1.5780 - 1.5790

Safety Information and Hazard Symbols



Symbol: GHS05, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

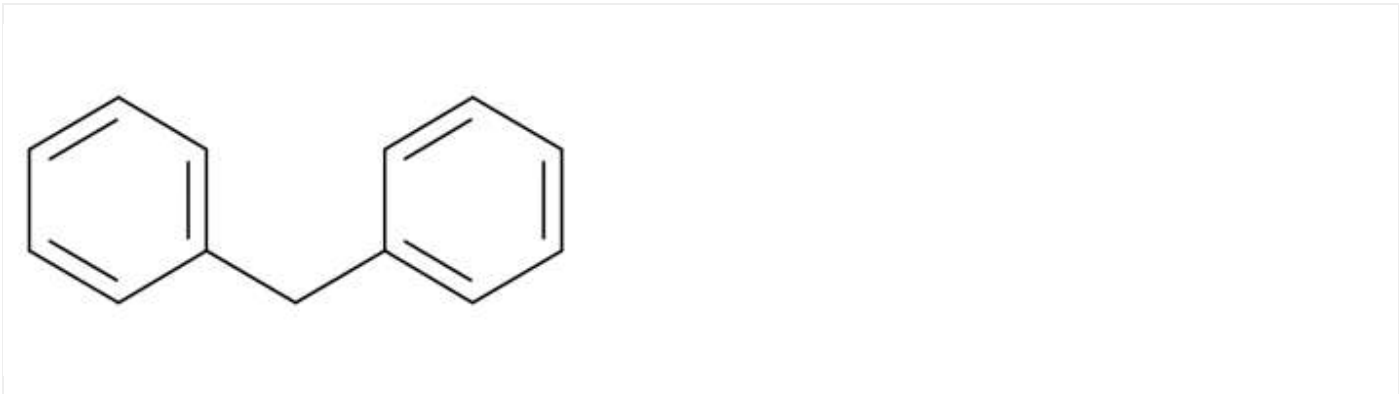
Hazardous Statement: H318-H411

Precaution Statement: P280-P305 + P351 + P338

DIPHENYL METHANE 99% FOR SYNTHESIS

Benzylbenzene; Methylenedibenzene

Product Code.	01084	Grade	
Purity	99%	CAS No.	101-81-5
Molecular Formula	C13H12	Molecular Weight	168.24
H.S.Code	2902.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Light brown	Odour	Orange odor
Melting point/ Freezing point [°C]	22 - 24 °C	Auto-ignition temperature [°C]	486°C	Flash point [°C]	130 °C
Boiling point [°C]	264 °C	Vapour pressure [20°C]	0.008 mm Hg @ 20°C	Vapour pressure mm/Hg	0.008 mm Hg @ 200C
Vapour density	5.8	Density [g/cm3]	1.006	Solubility in water [% weight]	Insoluble in water

Packaging

Specification

Appearance	Light brown coloured liquid
Assay (GC area %)	Min 99%
Melting range	22 - 25 deg C
Density (at 20°C)	~1.006 g/mL

Safety Information and Hazard Symbols



Symbol: GHS09

Signal Word: Warning

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

Hazardous Statement: H410

Precaution Statement: P273-P391-P501

Risk Statement: 50/53

Safety Statement: 24-61

DISTILLED WATER (WATER DISTILLED)
DM WATER

Product Code.	01086	Grade	
Purity		CAS No.	7732-18-5
Molecular Formula	H2O	Molecular Weight	18.02
H.S.Code	2853.90100	Shelf Life	24 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
pH value	6.0-8.0 at 25°C	Melting point/ Freezing point [°C]	0.0	Boiling point [°C]	100.0
Vapour pressure [20°C]	2.3 kPa	Vapour density	0.62	Density [g/cm3]	1.00

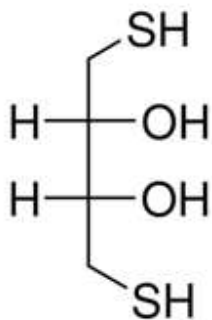
Specification

Appearance	Clear colorless liquid
Density (at 25°C)	About 1.000
pH	5.5-7.5
Chloride (Cl)	Max 0.0001%
Substance reducing KMnO4 (as O)	Max 0.00004%

DITHIOERYTHRITOL (D.T.E.) 98% FOR SYNTHESIS

Store at 2-8°C Cleland's Reagent, DTE , 1,4-Dithioerythritol

Product Code.	01088	Grade	For Synthesis
Purity	98%	CAS No.	6892-68-8
Molecular Formula	C4H10O2S2	Molecular Weight	154.25
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	pH value	4.0 - 6.0 at 15,4 g/l at 25 °C
Melting point/ Freezing point [°C]	82 - 84 °C	Solubility in water [% weight]	15.4 g/l at 20 °C		

Specification

Appearance	White crystalline powder
Assay	Min 98.0%
Melting point	81 - 85°C
Heavy metal (as Pb)	Max 0.001%
Iron (Fe)	Max 0.0005%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

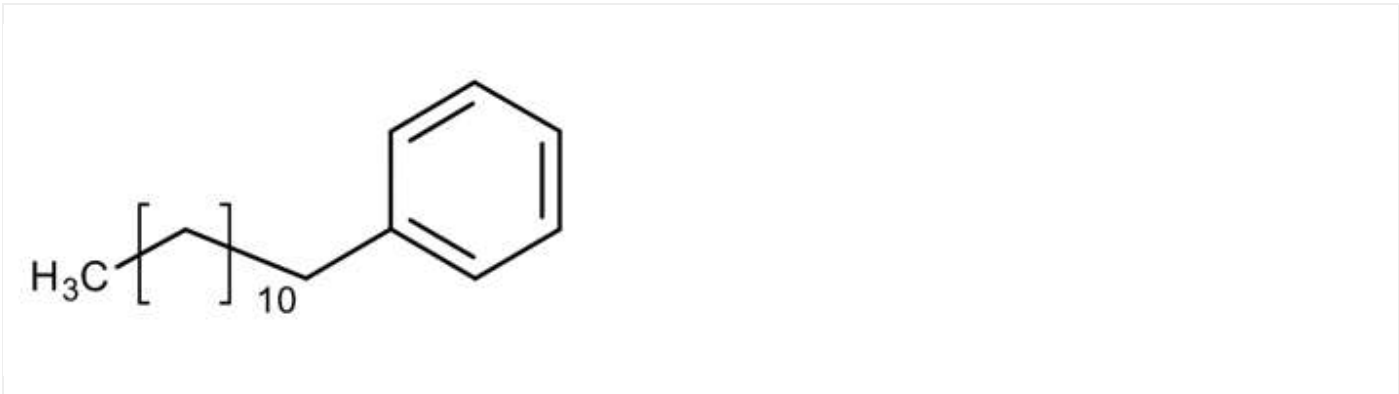
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

DODECYL BENZENE (FOR SYNTHESIS)

1-Phenyldodecane

Product Code.	01093	Grade	
Purity	97%	CAS No.	123-01-3
Molecular Formula	C18H30	Molecular Weight	246.44
H.S.Code	2902.90300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	3 °C
Flash point [°C]	109 °C	Boiling point [°C]	185 - 188 °C	Initial boiling point [°C]	185°C
Final boiling point [°C]	188 °C	Density [g/cm3]	0.856 g/mL at 25 °C	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	8.65				

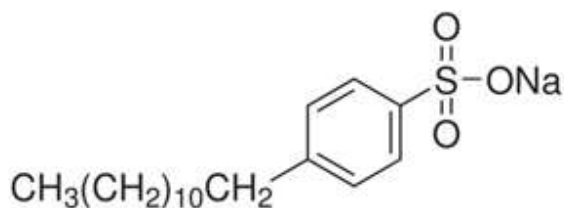
Specification

Appearance	Colorless to Yellow liquid
Density (d20°C/4°C)	0.854 - 0.856
Dodecyl benzene	Min 30.0%
C10 to C13	Min 98.5%
Biodegradability	Min 90.0%
Refractive index (10°C; 589 nm)	1.4820

DODECYL BENZENE SULPHONIC ACID SODIUM SALT 80% EXTRAPURE

Mixture of homologous alkyl benzene sulphonate Sodium dodecylbenzenesulphonate

Product Code.	01094	Grade	Extrapure
Purity	80%	CAS No.	25155-30-0
Molecular Formula	C18H29NaO3S	Molecular Weight	348.48
H.S.Code	3402.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white	Melting point/ Freezing point [°C]	144.5°C
Partition coefficient Log Pow octanol / water at 20°C	0.45				

Specification

Appearance	Off white moist powder
Assay	About 80%
Loss on drying (at 105°C)	Max 5.0%

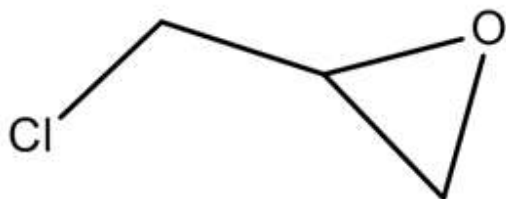
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07 Signal Word: Danger Hazardous Statement: H302-H315-H318-H335 Precaution Statement: P261-P280-P305 + P351 + P338

EPICHLOROHYDRIN 98.5% FOR SYNTHESIS

1-Chloro-2,3-epoxypropane

Product Code.	01119	Grade	
Purity	98.5%	CAS No.	106-89-8
Molecular Formula	C3H5ClO	Molecular Weight	92.53
H.S.Code	2910.30000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Chloroform-like odor
Melting point/ Freezing point [°C]	-57 °C	Auto-ignition temperature [°C]	416°C	Flash point [°C]	32 °C
Boiling point [°C]	115 - 117 °C	Initial boiling point [°C]	115°C	Final boiling point [°C]	117 °C
Vapour pressure [20°C]	12.5 mm Hg @ 20°C	Vapour pressure mm/Hg	12.5 mm Hg @ 200C	Vapour density	3.3
Density [g/cm3]	1.18	Solubility in water [% weight]	Moderate (1-10%)	Explosion limits - upper [%]	21%
Explosion limits -lower [%]	3.80%				

Packaging

Specification

Appearance	A clear Colourless liquid
Assay	Min 98.5%
Density (d20°C/4°C)	1.178 - 1.182

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS06, GHS08

Signal Word: Danger

UN No.: 2023

IMCO Class No.: 6.1,3

Packing Group: II

Hazardous Statement: H226-H301-H311-H314-H317-H331-H350

Precaution Statement: P201-P261-P280-P301 + P310-P305 + P351 + P338-P310

EPICHLOROHYDRIN 99% AR (1-CHLORO-2,3-EPOXYPROPANE)
1-Chloro-2,3-epoxypropane

Product Code.	01120	Grade	AR
Purity	99%	CAS No.	106-89-8
Molecular Formula	C3H5ClO	Molecular Weight	92.53
H.S.Code	2910.30000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Chloroform-like odor
Melting point/ Freezing point [°C]	-57 °C	Auto-ignition temperature [°C]	416°C	Flash point [°C]	32 °C
Boiling point [°C]	115 - 117 °C	Initial boiling point [°C]	115°C	Final boiling point [°C]	117 °C
Vapour pressure [20°C]	12.5 mm Hg @ 20°C	Vapour pressure mm/Hg	12.5 mm Hg @ 200C	Vapour density	3.3
Density [g/cm3]	1.18	Solubility in water [% weight]	Moderate (1-10%)	Explosion limits - upper [%]	21%
Explosion limits -lower [%]	3.80%				

Packaging

Specification

Appearance	A clear Colourless liquid
Assay	Min 99%
Refractive index (20°C; 589 nm)	1.437 - 1.439

Density (d20°C/4°C)

1.178 - 1.182

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS06, GHS08

Signal Word: Danger

UN No.: 2023

IMCO Class No.: 6.1,3

Packing Group: II

Hazardous Statement: H226-H301-H311-H314-H317-H331-H350

Precaution Statement: P201-P261-P280-P301 + P310-P305 + P351 + P338-P310

ESCHKA'S MIXTURE 38% AR

For determination of sulphur in coal.

Product Code.	01128	Grade	
Purity	38%	CAS No.	8007-09-8
Molecular Formula	2MgO.Na2CO3	Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	261 - 263°C	Density [g/cm3]	1.299	Solubility in water [% weight]	Insoluble in water

Packaging

Specification

Appearance	A white powder
Assay (as Mg; complexometric)	38 - 42%
Total sulphur (as SO4)	Max 0.0005%
Loss on drying (at 105°C)	Max 0.5%

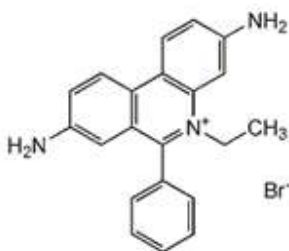
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319 Precaution Statement: P305 + P351 + P338

ETHIDIUM BROMIDE 98% AR

Soluble in water, Chloroform and alcohol. Fluorometric determination of conformation changes of enzymes, membranes, deoxyribonucleic acid and ribonucleic acids. Decoupling agent for oxidative phosphorylation. 3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide, EtBr, Homidium bromide

Product Code.	01138	Grade	AR
Purity	98%	CAS No.	1239-45-8
Molecular Formula	C21H20BrN3	Molecular Weight	394.32
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red crystals	pH value	4 - 7 at 25 °C
Melting point/ Freezing point [°C]	260 - 262 °C				

Packaging

Specification

Appearance	Dark red crystalline powder
Assay (by HClO ₄ titration; on anhydrous basis)	Min 98%
Absorption maxima in methanol	524 - 527 nm
Absorptivity (A 1%/1cm; at l _{max} ; in 50% methanol; on dried substances)	155 - 165
Loss on dryig (at 130°C; 4 hrs)	Max 7%
Solubility (10 mg/mL in water)	Clear red to dark red solution

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: I

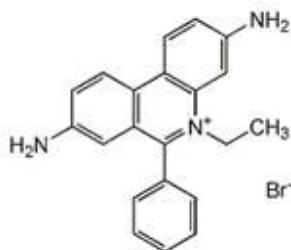
Hazardous Statement: H302-H330-H341

Precaution Statement: P260-P281-P284-P310

ETHIDIUM BROMIDE SOLUTION ~1% IN WATER FOR FLUORESCENCE

Store at 2?-8?C

Product Code.	01139	Grade	
Purity		CAS No.	1239-45-8
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Dark red coloured solution	Odour	Odorless

Specification

Appearance	Clear dark red coloured solution
Absorption maxima in water	478 - 482 nm
Specific absorptivity 1%/1cm (at I _{max})	140 - 160
Suitability	Passes test

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08

Signal Word: Danger

UN No.: 2810

IMCO Class No.: 6.1

Packing Group: III

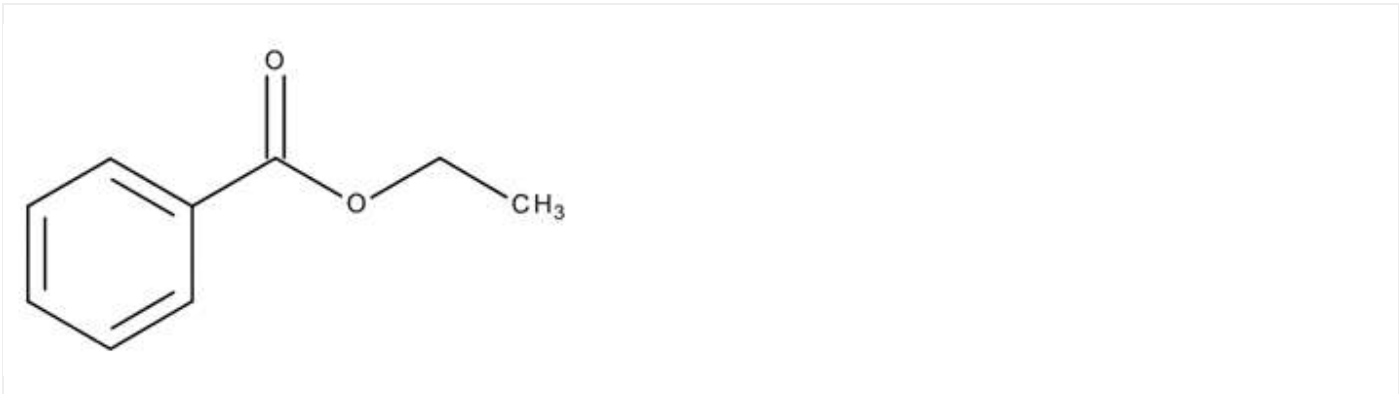
Hazardous Statement: H331-H341

Precaution Statement: P261-P281-P311

ETHYL BENZOATE 99% FOR SYNTHESIS

Benzoic acid ethyl ester

Product Code.	01150	Grade	
Purity	99%	CAS No.	93-89-0
Molecular Formula	C9H10O2	Molecular Weight	150.18
H.S.Code	2916.31900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour threshold	0.6 ppm
Melting point/ Freezing point [°C]	-34 °C	Auto-ignition temperature [°C]	490°C	Flash point [°C]	93.4 °C
Boiling point [°C]	212 °C	Vapour pressure mm/Hg	1 mm Hg at 44 °C	Vapour density	5.18
Density [g/cm3]	1.045 g/cm3 at 25 °C	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

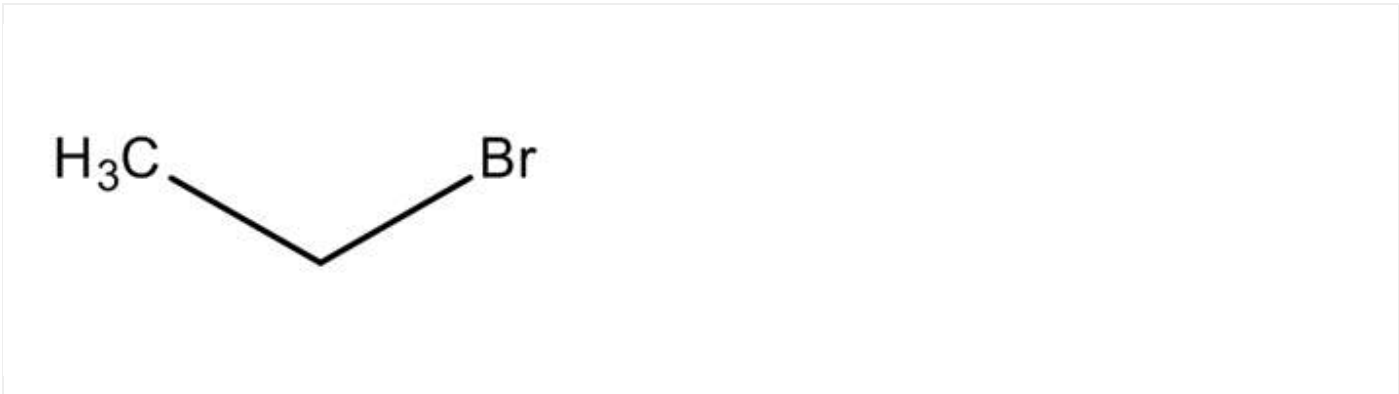
Appearance	A clear Colourless liquid
Assay (GC area %)	Min 99%
Density (d20°C/4°C)	1.046 - 1.047

Safety Information and Hazard Symbols

ETHYL BROMIDE (FOR SYNTHESIS)

Bromoethane

Product Code.	01152	Grade	
Purity	99%	CAS No.	74-96-4
Molecular Formula	C2H5Br	Molecular Weight	108.97
H.S.Code	2903.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ethereal odor
Melting point/ Freezing point [°C]	-119 °C	Auto-ignition temperature [°C]	511 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-23 °C	Boiling point [°C]	37 - 40 °C	Initial boiling point [°C]	37°C
Final boiling point [°C]	40 °C	Vapour pressure [20°C]	519.7 hPa at 20 °C	Vapour density	3.76
Density [g/cm3]	1.45	Solubility in water [% weight]	Slightly soluble	Viscosity at 40°C [mm2/s]	0.379 cps @ 25 deg C

Packaging

Specification

Appearance	A clear pale yellow liquid.
Assay (GC area %)	Min 99%
Non volatile matter	Max 0.005%

Acidity	Max 0.015%
Free bromine	Max 0.005%
Weight/ mL at 20°C	1.456 - 1.462 g
Refractive index (20°C; 589 nm)	1.4235 - 1.4250

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 1891

IMCO Class No.: 6.1

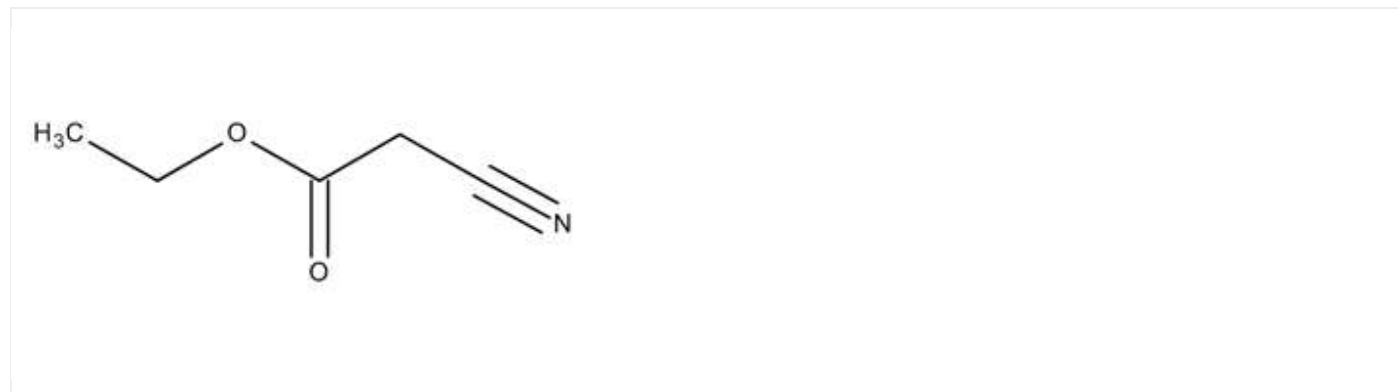
Packing Group: II

Hazardous Statement: H225-H302-H332-H351

Precaution Statement: P210-P281

ETHYL CYANOACETATE 98% FOR SYNTHESIS

Product Code.	01158	Grade	For Synthesis
Purity	98%	CAS No.	105-56-6
Molecular Formula	C5H7NO2	Molecular Weight	113.11
H.S.Code	2926.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Pleasant odour
Melting point/ Freezing point [°C]	-22 °C	Auto-ignition temperature [°C]	478°C	Flash point [°C]	109 °C
Boiling point [°C]	208 - 210 °C	Initial boiling point [°C]	208°C	Final boiling point [°C]	210 °C
Vapour pressure mm/Hg	1 mmHg @ 680C	Vapour density	3.91	Density [g/cm3]	1.063 g/cm3 at 25 °C
Solubility in water [% weight]	Insoluble in water				

Packaging

Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 98.0%
Density (d20°C/4°C)	1.061 - 1.062 g/ml

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H302-H312-H332

Precaution Statement: P280

ETHYL CYANOACETATE, 98+%

Product Code.	1158A	Grade	
Purity	98+%	CAS No.	105-56-6
Molecular Formula	C5H7NO2	Molecular Weight	113.12
H.S.Code	2926.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Pleasant odour
Melting point/ Freezing point [°C]	-22 °C	Auto-ignition temperature [°C]	478°C	Flash point [°C]	109 °C
Boiling point [°C]	208 - 210 °C	Initial boiling point [°C]	208°C	Final boiling point [°C]	210 °C
Vapour pressure mm/Hg	1 mmHg @ 680C	Vapour density	3.91	Density [g/cm3]	1.063 g/cm3 at 25 °C
Solubility in water [% weight]	Insoluble in water				

Specification

Appearance (Form)	Clear liquid
Color scale	=<50 APHA
Infrared spectrum	Conforms
GC	>=98.0 %
Water	=<0.1 % (K.F.)
Refractive index	1.4170 to 1.4190 (20°C, 589 nm)
Free acid	=<10 mg/kg (as cyanoacetic acid) Date

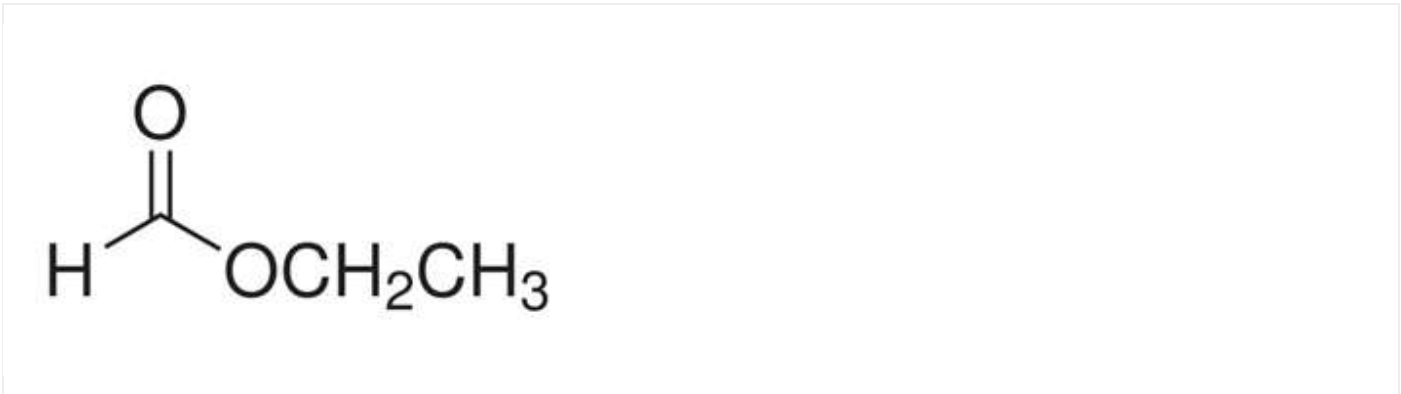
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H312-H332 Precaution Statement: P280

ETHYL FORMATE 98% FOR SYNTHESIS

Formic acid ethyl ester

Product Code.	01177	Grade	For Synthesis
Purity	98%	CAS No.	109-94-4
Molecular Formula	C3H6O2	Molecular Weight	74.08
H.S.Code	2915.12900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colourless to Light yellow	Odour	Pleasant aromatic odor
Melting point/ Freezing point [°C]	-80 °C	Auto-ignition temperature [°C]	455°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-19 °C	Boiling point [°C]	52 - 54 °C	Initial boiling point [°C]	54 °C
Final boiling point [°C]	54 °C	Vapour pressure [20°C]	261.2 hPa at 20 °C	Vapour density	2.56
Density [g/cm3]	0.917	Solubility in water [% weight]	9 g. / 100 ml water @ 18 C	Explosion limits - upper [%]	16%
Explosion limits -lower [%]	2.80%				

Packaging

Specification

Appearance	A clear colorless liquid
Assay	Min 98%

Ethanol (C ₂ H ₅ OH)	Max 2%
Density (d _{20°C/4°C})	0.919 - 0.921 g/ml
Refractive index (20°C; 589 nm)	1.3597

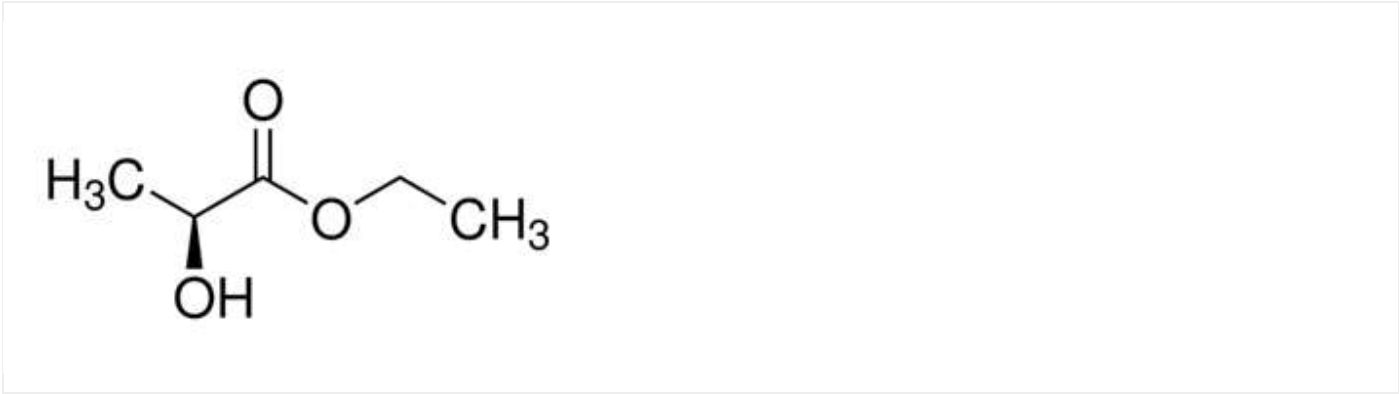
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1190 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H302-H319-H332-H335 Precaution Statement: P210-P261-P305 + P351 + P338

ETHYL LACTATE (BIODEGRADABLE) 99% FOR SYNTHESIS

Biodegradable solvent replacement for optical and microelectrical purpose. Ethyl 2-hydroxypropionate

Product Code.	01183	Grade	
Purity	99%	CAS No.	97-64-3
Molecular Formula	C5H10O3	Molecular Weight	118.13
H.S.Code	2918.11900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-26 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	46 °C	Boiling point [°C]	154 °C
Vapour pressure [20°C]	3 hPa at 20 °C	Vapour density	4.73	Density [g/cm3]	1.031
Explosion limits -lower [%]	1.50%				

Packaging

Specification

Appearance	A clear colourless liquid
Assay	Min 99%
Density (d20°C/4°C)	1.020 - 1.040
Moisture content	Max 0.5%
Acidity (as C3H6O3)	Max 0.5%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS07

Signal Word: Danger

UN No.: 1192

IMCO Class No.: 3

Packing Group: III

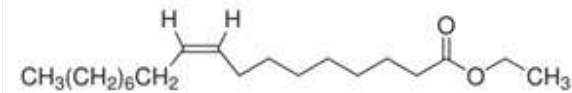
Hazardous Statement: H226-H318-H335

Precaution Statement: P261-P280-P305 + P351 + P338

ETHYL OLEATE 98% FOR SYNTHESIS

Oleic acid ethyl ester

Product Code.	01189	Grade	For Synthesis
Purity	98-103%	CAS No.	111-62-6
Molecular Formula	C17H33.COO.C2H5	Molecular Weight	310.52
H.S.Code	2916.15900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear pale yellow	Odour	Odorless
Melting point/ Freezing point [°C]	-32 °C	Flash point [°C]	113 °C	Boiling point [°C]	216 - 218 °C
Initial boiling point [°C]	216°C	Final boiling point [°C]	218 °C	Vapour density	10.7
Density [g/cm3]	0.87 g/cm3 at 25 °C	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	Clear, pale yellow liquid
Assay	98 - 103%
Weight/ mL at 20°C	0.869 - 0.874 g
Iodine value	75 - 84
Acid value (mg KOH/gm)	Max 0.5

ETHYLAMINE SOLUTION 70% FOR SYNTHESIS

Aminoethane, Monoethylamine

Product Code.	01146	Grade	For Synthesis
Purity	70%	CAS No.	75-04-7
Molecular Formula	C2H7N	Molecular Weight	45.09
H.S.Code	2921.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colourless to Light yellow	Odour	Ammonia like odour
pH value	> 14 at 20 °C	Melting point/ Freezing point [°C]	-74 °C	Auto-ignition temperature [°C]	375°C
Flammability (solid, gas)	Flammable	Flash point [°C]	-26 °C	Boiling point [°C]	38°C
Vapour pressure mm/Hg	50 mm Hg @ 20 deg C	Vapour density	1.56	Density [g/cm3]	0.8
Relative density, liquid (water=1)	0.796 g/cm3	Solubility in water [% weight]	Soluble	Partition coefficient Log Pow octanol / water at 20°C	-0.27
Explosion limits - upper [%]	12.80%	Explosion limits -lower [%]	3%		

Packaging

Specification

Appearance	A clear Colourless liquid
Assay (acidimetric)	Min 70%
Density (d20°C/4°C)	0.803 - 0.806 g/ml

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS07

Signal Word: Danger

UN No.: 2270

IMCO Class No.: 3,8

Packing Group: II

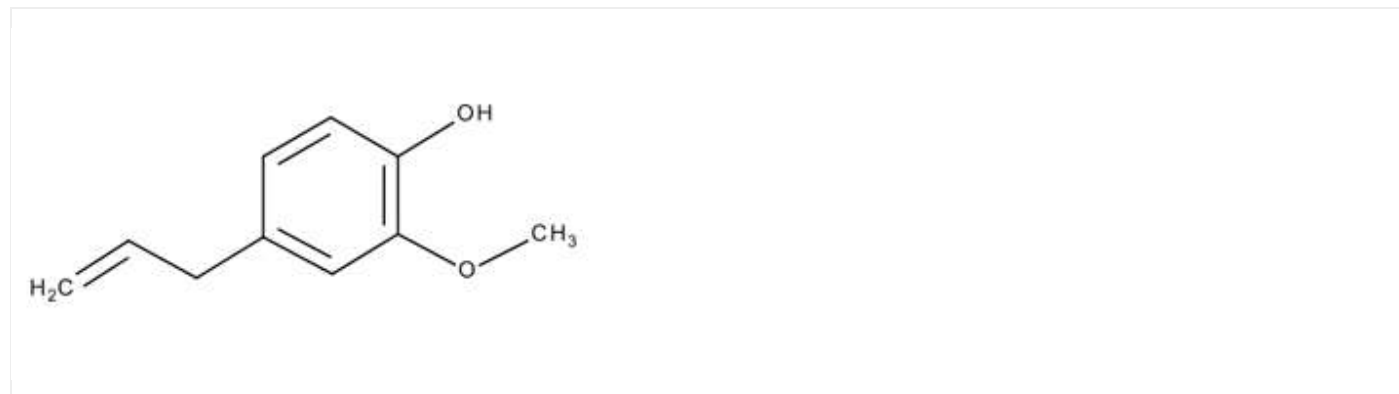
Hazardous Statement: H225-H314-H335

Precaution Statement: P210-P261-P280-P305 + P351 + P338-P310

EUGENOL 99% EXTRAPURE

2-Methoxy-4-(2-propenyl)phenol; 4-Allyl-2-methoxyphenol; 4-Allylguaiacol

Product Code.	01197	Grade	Extrapure
Purity	99%	CAS No.	97-53-0
Molecular Formula	C10H12O2	Molecular Weight	164.20
H.S.Code	2909.50900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Yellowish brown	Odour	Odorless
Melting point/ Freezing point [°C]	-12 - -10 °C	Flash point [°C]	112 °C	Boiling point [°C]	254 °C
Vapour pressure mm/Hg	0.03 mm of Hg (@ 20°C)	Density [g/cm3]	1.067 g/cm3 at 25 °C	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	2.7				

Packaging

Specification

Appearance	Yellowish brown colored liquid
Purity (by GC)	Min 99.0%
Density (d20°C/4°C)	1.064 - 1.065 g/ml
Refractive index (20°C; 589 nm)	~1.5405

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Danger

Hazardous Statement: H302-H315-H317-H319-H334-H335

Precaution Statement: P261-P280-P305 + P351 + P338-P342 + P311

FENNEL OIL EXTRAPURE (D. 0.963)
Oil of Fennel,

Product Code.	01206A	Grade	
Purity		CAS No.	8006-84-6
Molecular Formula	C30H40O3	Molecular Weight	448.60
H.S.Code	0.00000	Shelf Life	60 Months

Physical Properties

Density	0.953	Form	Pale Yellow Oily Liquid

Packaging



Specification

Appearance	Colourless to Pale Yellow Oil
Density	0.953-0.973 @ 25 °C

Safety Information and Hazard Symbols


H226 - H315

FERRIC CHLORIDE 10% W/V SOLUTION

Product Code.	01212	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Packaging

Specification

Appearance	Brown liquid
Assay (as Fe; complexometric)	10.0-10.3%
Free acid (as HCl)	Max 0.5%
Arsenic (As)	Max 0.0005%
Phosphate (PO4)	Max 0.005%
Total nitrogen (N)	Max 0.005%
Heavy metal (as Pb)	Max 0.005%
Iron (II)	Max 0.005%

Safety Information and Hazard Symbols

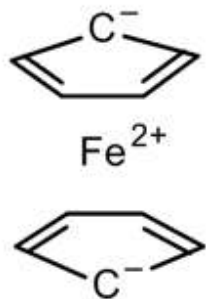


Symbol: GHS05, GHS07
Signal Word: Danger
UN No.: 2582
IMCO Class No.: 8
Packing Group: III
Hazardous Statement: H302+H315+H318
Precaution Statement: P280+P302 + P352+P305 + P351 + P338+P313
Risk Statement: 22-38-41
Safety Statement: 26-39

FERROCENE 98% FOR SYNTHESIS

Dicyclopentadienyliiron

Product Code.	01220	Grade	
Purity	98%	CAS No.	102-54-5
Molecular Formula	C ₁₀ H ₁₀ Fe	Molecular Weight	186.04
H.S.Code	2931.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange brown	Odour	Camphor
Melting point/ Freezing point [°C]	173 - 176°C	Boiling point [°C]	249°C	Solubility in water [% weight]	Insoluble in water

Specification

Appearance	Orange yellow crystalline powder
Assay (GC area %)	Min 98%
Melting range	172 - 175 deg C

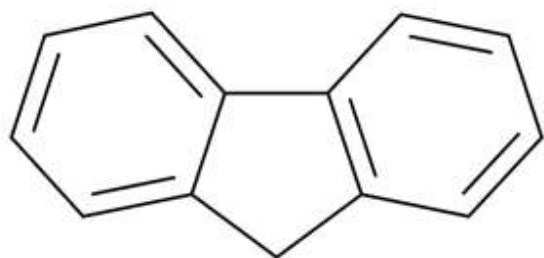
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1325 IMCO Class No.: 4.1 Packing Group: II Hazardous Statement: H228-H302 Precaution Statement: P210

FLUORENE 98%

9H-fluorene

Product Code.	01234	Grade	
Purity	~95%	CAS No.	86-73-7
Molecular Formula	C13H10	Molecular Weight	166.22
H.S.Code	2902.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Almost white to light brown	Odour	Odorless
Melting point/ Freezing point [°C]	111 - 116 °C	Flash point [°C]	151 °C	Boiling point [°C]	298 °C
Density [g/cm3]	1.202	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance	white to off- white or light brown powder
Assay (GC area %)	Min 95%
Melting range	113 - 115 deg C

Safety Information and Hazard Symbols

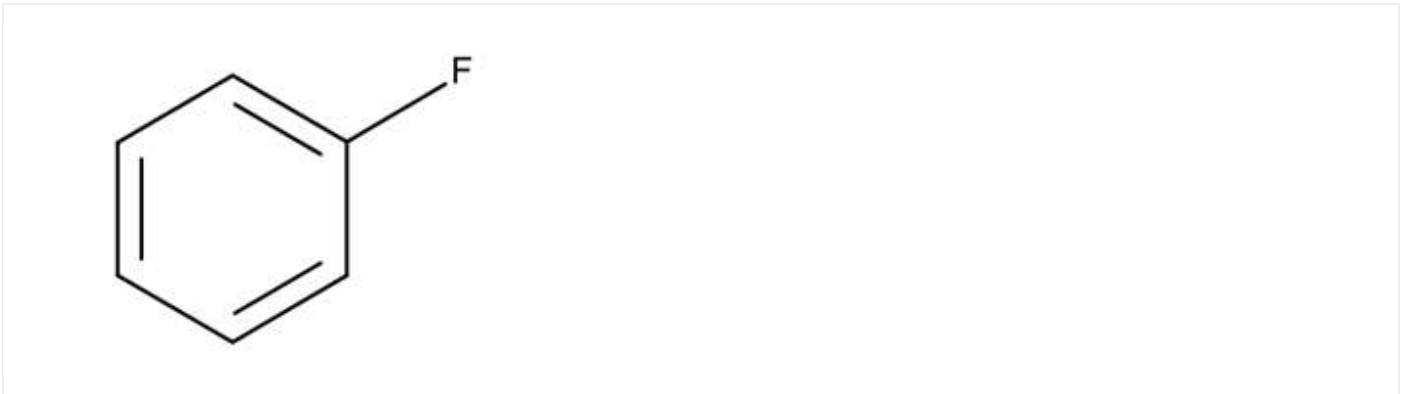


Symbol: GHS09
Signal Word: Warning
UN No.: 3077
IMCO Class No.: 9
Packing Group: III
Hazardous Statement: H413

FLUOROBENZENE 99% FOR SYNTHESIS

Phenyl fluoride

Product Code.	01238	Grade	
Purity	98%	CAS No.	462-06-6
Molecular Formula	C6H5F	Molecular Weight	96.11
H.S.Code	2903.99100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-42 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	-15 °C	Boiling point [°C]	85 °C
Vapour pressure [20°C]	80 hPa at 20°C	Vapour density	3.32	Density [g/cm3]	1.024
Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.24		

Packaging

Specification

Appearance	A clear colorless liquid
Assay (GC area %)	Min 99%
Density (d20°C/4°C)	1.024 - 1.026
Refractive index (20°C; 589 nm)	1.4643 to 1.4663

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 2387

IMCO Class No.: 3

Packing Group: II

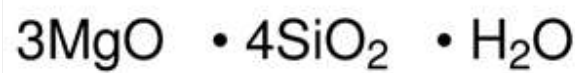
Hazardous Statement: H225-H319-H412

Precaution Statement: P210-P273-P305 + P351 + P338

FRENCH CHALK POWDER EXTRAPURE

Hydrous magnesium silicate, Talcum Powder

Product Code.	01255	Grade	Extrapure
Purity		CAS No.	14807-96-6
Molecular Formula	3MgO.4SiO2.H2O	Molecular Weight	379.27
H.S.Code	2839.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	1000°C	Density [g/cm3]	2.7	Solubility in water [% weight]	Insoluble in water

Packaging

Specification

Appearance	Fine white powder
Identification 'A', 'B' & 'C'	Passes test
Acidity or alkalinity	Passes test
Iron (Fe)	Max 0.001%
Water soluble matter	Max 0.2%
Acid soluble matter	Max 2.0%
Carbonate	Passes test

Chloride (Cl)	Max 0.025%
Organic compounds	Passes test
Loss on dryig (at 180°C; 1 hrs)	Max 1.0%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H332

FULLER'S EARTH

Product Code.	01261	Grade	
Purity		CAS No.	8031-18-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	2505.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Greyish yellow	Odour	Odorless
pH value	10 at 100 g/l at 25 °C				

Packaging

Specification

Appearance	Grayish yellow powder
Mesh size	150 - 250
pH	7.0 - 8.5
Loss on drying	Max 10.0%

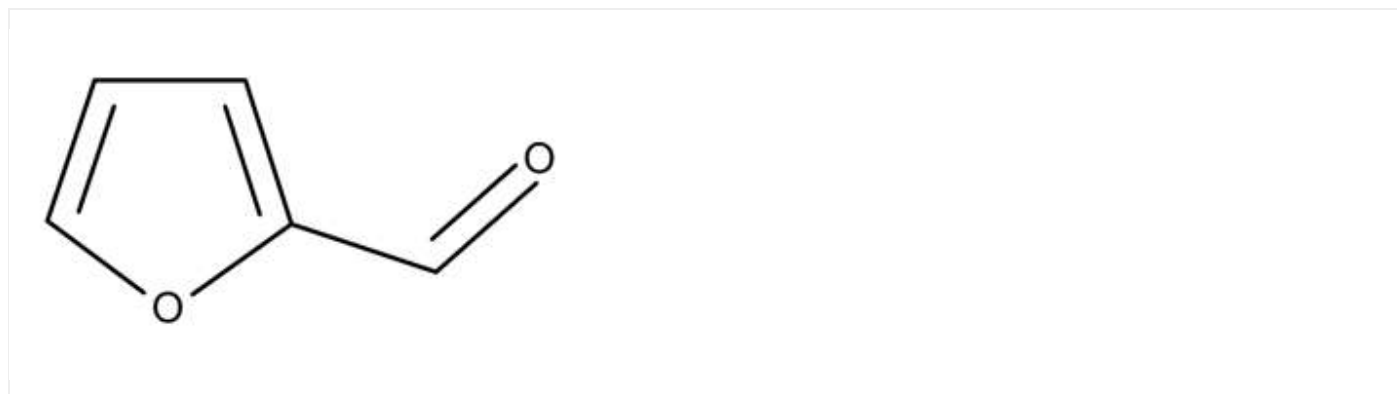
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319-H332-H335 Precaution Statement: P261-P305 + P351 + P338

FURFURAL 98% FOR SYNTHESIS

The change of Colour due to oxidation during storage does not affect most applications. A colorless product is only available directly after distillation. 2-Furaldehyde, Furan-2-carboxaldehyde ;
FURFURAL

Product Code.	01264	Grade	For Synthesis
Purity	98%	CAS No.	98-01-1
Molecular Formula	C ₅ H ₄ O ₂	Molecular Weight	96.09
H.S.Code	2932.12000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to brown	Odour	Almond odor
Melting point/ Freezing point [°C]	-36 °C	Auto-ignition temperature [°C]	316°C	Flash point [°C]	60 °C
Boiling point [°C]	162 °C	Vapour pressure [20°C]	2.3 hPa at 20 °C	Vapour density	3.32
Density [g/cm ³]	1.16	Solubility in water [% weight]	Soluble	Partition coefficient Log Pow octanol / water at 20°C	0.41
Explosion limits - upper [%]	19.30%	Explosion limits -lower [%]	2.10%		

Packaging

Specification

Appearance	*Colorless to brownish oily liquid
Purity (by GC)	Min 98.0%
Density (d _{20°C/4°C})	1.158 - 1.160

*The change of colour due to oxidation during storage does not affect most applications

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Safety Information and Hazard Symbols



Symbol: GHS06, GHS08

Signal Word: Danger

UN No.: 1199

IMCO Class No.: 6.1,3

Packing Group: II

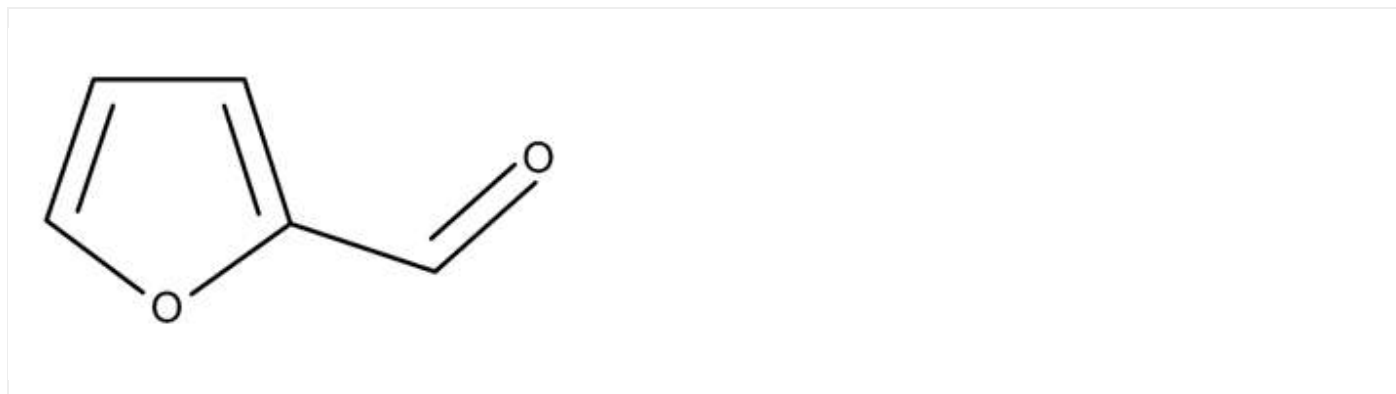
Hazardous Statement: H301-H312-H315-H319-H331-H335-H351

Precaution Statement: P261-P280-P301 + P310-P305 + P351 + P338-P311

FURFURAL 98.5% AR

Reagent for the detection of aromatic amines. 2-Furaldehyde, Furan-2-carboxaldehyde ; furfural

Product Code.	01265	Grade	AR/ACS
Purity	98.5%	CAS No.	98-01-1
Molecular Formula	C ₅ H ₄ O ₂	Molecular Weight	96.09
H.S.Code	2932.12000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to brown	Odour	Almond odor
Melting point/ Freezing point [°C]	-36 °C	Auto-ignition temperature [°C]	316°C	Flash point [°C]	60 °C
Boiling point [°C]	162 °C	Vapour pressure [20°C]	2.3 hPa at 20 °C	Vapour density	3.32
Density [g/cm ³]	1.16	Solubility in water [% weight]	Soluble	Partition coefficient Log Pow octanol / water at 20°C	0.41
Explosion limits - upper [%]	19.30%	Explosion limits -lower [%]	2.10%		

Packaging

Specification

Appearance	*Colorless to brownish oily liquid
Assay	Min 98.5%
Identity (IR)	Passes test
Refractive index (20°C; 589 nm)	1.524 - 1.528

Density (d20°C/4°C)	1.158 - 1.160
Titration acid	Max 0.02 meq/g
Residue on evaporation	Max 0.5%
*The change of colour due to oxidation during storage does not affect most applications	

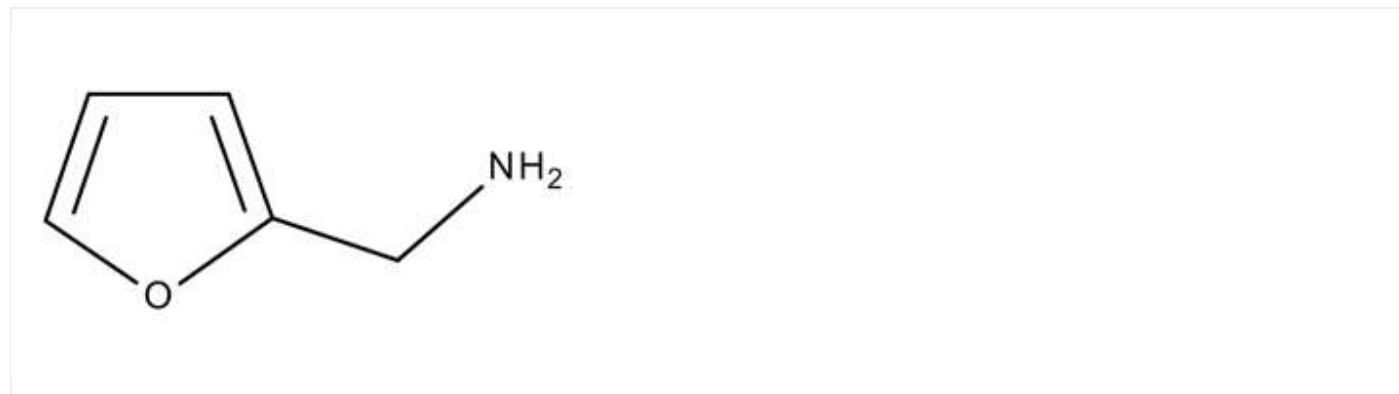
Safety Information and Hazard Symbols

 
Symbol: GHS06, GHS08 Signal Word: Danger UN No.: 1199 IMCO Class No.: 6.1,3 Packing Group: II Hazardous Statement: H301-H312-H315-H319-H331-H335-H351 Precaution Statement: P261-P280-P301 + P310-P305 + P351 + P338-P311

FURFURYLAMINE 98% FOR SYNTHESIS

2-Aminomethylfuran

Product Code.	01267	Grade	For Synthesis
Purity	98%	CAS No.	617-89-0
Molecular Formula	C5H7NO	Molecular Weight	97.12
H.S.Code	2932.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to straw	Melting point/ Freezing point [°C]	-70 °C
Auto-ignition temperature [°C]	350°C	Flammability (solid, gas)	Flammable	Flash point [°C]	37 °C
Boiling point [°C]	145 - 146 °C	Initial boiling point [°C]	145°C	Final boiling point [°C]	146 °C
Vapour pressure [20°C]	4 mbar @ 20 C	Vapour density	3.35	Density [g/cm3]	1.0502
Relative density, gas (air=1)	3.35	Solubility in water [% weight]	Miscible in water		

Packaging

Specification

Appearance	Clear colorless to yellow brown liquid
Assay	Min 98.0%
Density (d20°C/4°C)	1.049 - 1.051 g/ml
Water (H2O)	Max 0.3%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS07

Signal Word: Danger

UN No.: 2526

IMCO Class No.: 3,8

Packing Group: III

Hazardous Statement: H226-H302-H312-H314

Precaution Statement: P280-P305 + P351 + P338-P310

FUSION MIXTURE AR

Product Code.	01268	Grade	AR
Purity		CAS No.	AR
Molecular Formula		Molecular Weight	0.00
H.S.Code	0.00000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	White hygroscopic crystalline powder
Insoluble matter	Max 0.01%
Loss on drying (at 300°C)	Max 2.0%
Chloride (Cl)	Max 0.002%
Nitrate (NO3)	Max 0.002%
Phosphate (PO4)	Max 0.001%
Silicate (SiO2)	Max 0.0025%
Sulphate (SO4)	Max 0.003%
Arsenic (As)	Max 0.00004%
Calcium (Ca)	Max 0.005%
Copper (Cu)	Max 0.001%
Iron (Fe)	Max 0.0005%
Lead (Pb)	Max 0.001%
Magnesium (Mg)	Max 0.005%

Safety Information and Hazard Symbols

Risk Statement: 22-36 Safety Statement: 22

FUSION MIXTURE EXTRAPURE

An equimolecular mixture of anhydrous potassium and sodium carbonates.

Product Code.	1268A	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	White hygroscopic crystalline powder
Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.005%
Iron (Fe)	Max 0.001%
Lead (Pb)	Max 0.001%

Safety Information and Hazard Symbols

GLASS BEADS (3.5-4.5 MM)
Anti-bumping granules

Product Code.	01280	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	7018.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Uniform colorless	Odour	Odorless

Packaging

Specification

Appearance	Uniform round shaped colorless beads
Size	3.5 - 4.5 mm

Safety Information and Hazard Symbols

GLASS WOOL (LAB) LOW IN LEAD

Low in lead

Product Code.	01281	Grade	
Purity		CAS No.	65997-19-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	7019.90100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Faint green shiny fibre	Odour	Odorless
Melting point/ Freezing point [°C]	160 °C	Explosion limits - upper [%]	27.50%	Explosion limits -lower [%]	2%

Packaging

Specification

Appearance	Faint green shiny fibers
Soluble in HCl	Max 1.0%
Iron (Fe)	Max 0.005%
Lead (Pb)	Max 0.005%

Safety Information and Hazard Symbols

GLYCEROL MONOSTEARATE EXTRA PURE

Glycerin Monostearate; Monostearin; Octadecanoate acid, monoester with 1,2,3- propanetriol

Product Code.	01294	Grade	ExtraPure
Purity		CAS No.	31566-31-1
Molecular Formula	C17H35COO.CH2CHOH.CH2OH	Molecular Weight	358.56
H.S.Code	2915.70300	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Almost white flakes	Odour	Odorless
pH value	8 - 10	Melting point/ Freezing point [°C]	54 - 60°C		

Packaging

Specification

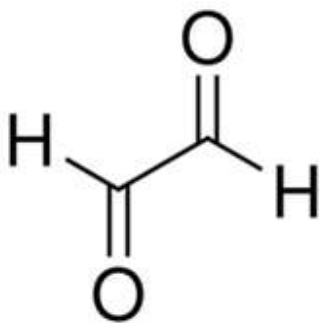
Appearance	Almost white hard waxy flakes
Acid value (mg KOH/gm)	Max 6.0
Sapnofication value	145 - 170
Iodine value	Max 5.0
Melting point	54 - 60°C
Mono glyceride content (% by mass)	Min 35
Free glycerine, % by mass	Max 10
pH of water emulsion	8 - 10

Safety Information and Hazard Symbols

GLYOXAL 40% FOR SYNTHESIS

Ethanedial; Oxalaldehyde

Product Code.	01300	Grade	For Synthesis
Purity	40%	CAS No.	107-22-2
Molecular Formula	C2H2O2	Molecular Weight	58.04
H.S.Code	2912.19300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Characteristic odour
pH value	Neutral	Boiling point [°C]	51°C	Vapour pressure [20°C]	17.535 mm of Hg (@ 20°C)
Vapour pressure mm/Hg	17.535 mm of Hg (@ 20°C)	Vapour density	0.62	Density [g/cm3]	1.270 g/cm3
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	A clear colourless to yellow solution***
Assay (oxime titration)	~40%
Density (d20°C/4°C)	1.268 - 1.271 g/ml
***Appearance may darken on storage with no loss of purity	-

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08

Signal Word: Danger

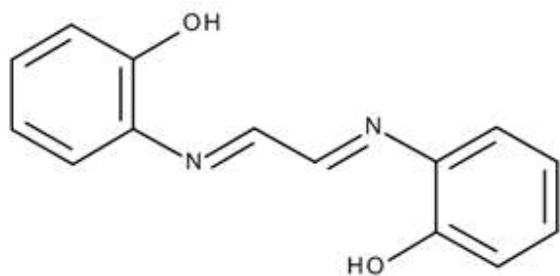
Hazardous Statement: H315-H317-H319-H331-H341

Precaution Statement: P261-P280-P305 + P351 + P338-P311

GLYOXAL BIS (2-HYDROXYANIL) 97% AR

Reagent for Calcium and Uranium. 2,2'-(Ethanediylidenedinitrilo)diphenol; Calcium red; GBHA [Glyoxal Bis (2-Hydroxyanil)]

Product Code.	00422	Grade	AR
Purity	97%	CAS No.	1149-16-2
Molecular Formula	C ₁₄ H ₁₂ N ₂ O ₂	Molecular Weight	240.26
H.S.Code	2925.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Buff coloured powder	Odour	Odorless
Melting point/ Freezing point [°C]	194 - 196°C				

Packaging



Specification

Appearance	White to Light Yellow to Beige color powder
Assay (ex N)	Min 97.0%
Identity (IR)	Passes test
Suitability (for metal determination)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

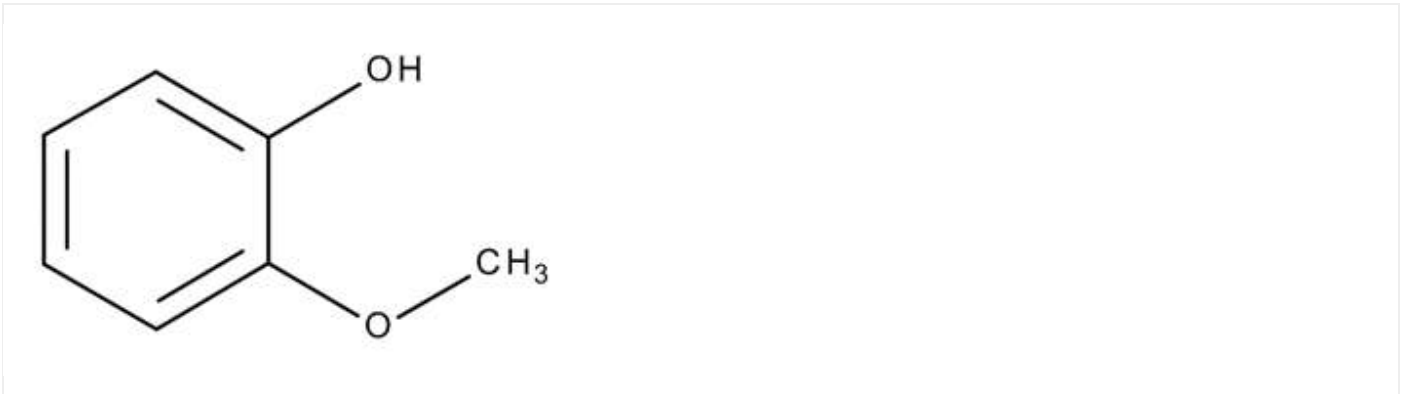
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

GUAIACOL (LIQUID) 99% EXTRAPURE

o-Methoxy phenol

Product Code.	01306	Grade	Extrapure
Purity	99%	CAS No.	90-05-1
Molecular Formula	C7H8O2	Molecular Weight	124.14
H.S.Code	2909.50100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Characteristic odour
Melting point/ Freezing point [°C]	27-32°C	Flash point [°C]	82°C	Boiling point [°C]	205°C
Vapour pressure [20°C]	0 kPa (@ 20°C)	Vapour density	4.27	Density [g/cm3]	1.1287
Solubility in water [% weight]	Slightly soluble in water	Partition coefficient Log Pow octanol / water at 20°C	1.3		

Packaging

Specification

Appearance	Colorless to light yellow and pink liquid or solid
Assay	Min 99.0%
Refractive index (20°C; 589 nm)	1.542 - 1.544
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

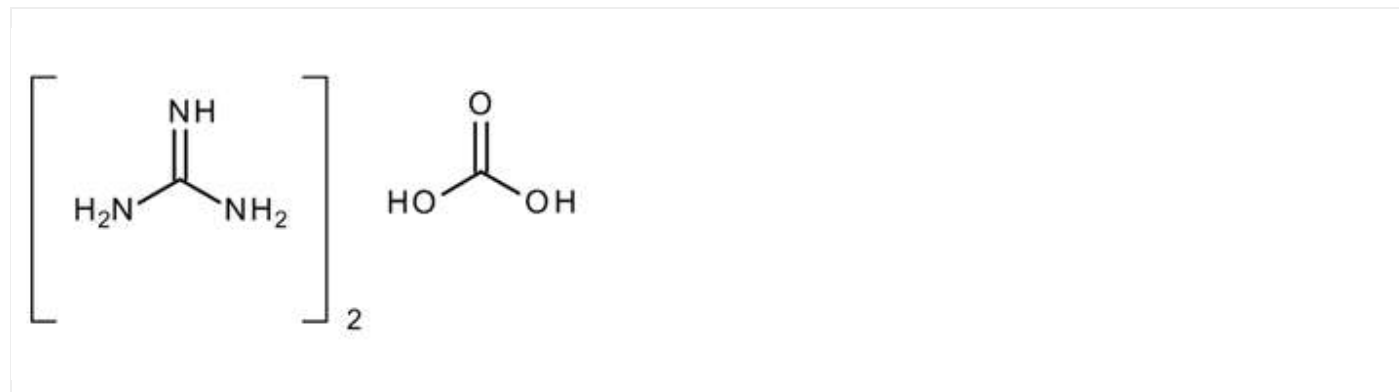
Hazardous Statement: H302-H315-H319

Precaution Statement: P305 + P351 + P338

GUANIDINE CARBONATE 99% FOR SYNTHESIS

guanidinium carbonate

Product Code.	01307	Grade	For Synthesis
Purity	99%	CAS No.	593-85-1
Molecular Formula	C3H12N6O3	Molecular Weight	180.17
H.S.Code	2925.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	> 300 °C				

Packaging



Specification

Appearance	White crystalline powder
Assay	Min 99.0%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

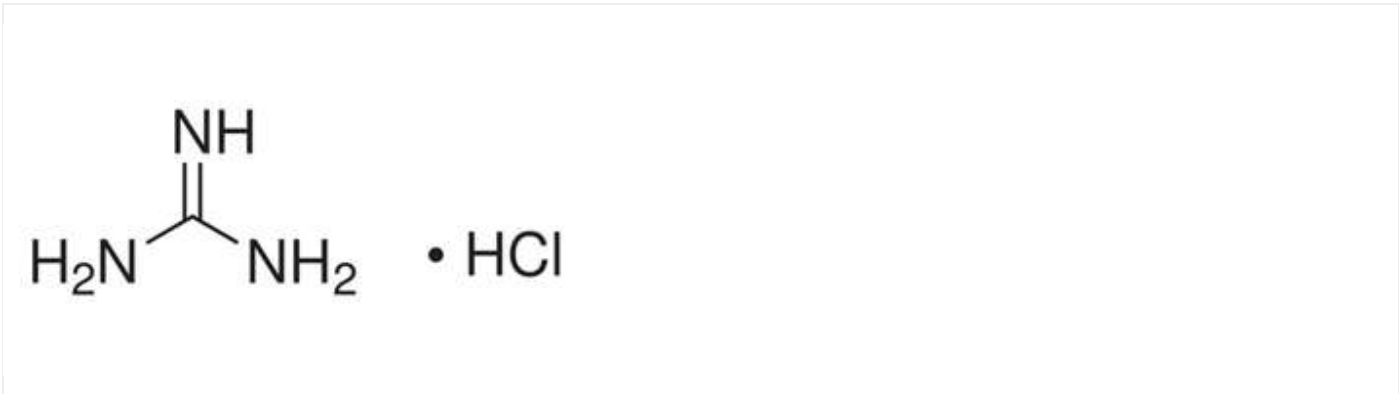
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

GUANIDINE HYDROCHLORIDE 99% FOR SYNTHESIS

Guanidinium chloride

Product Code.	01308	Grade	For Synthesis
Purity	99%	CAS No.	50-01-1
Molecular Formula	CH5N3.HCl	Molecular Weight	95.53
H.S.Code	2925.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	4.5 - 6.0 at 573 g/l at 25 °C	Melting point/ Freezing point [°C]	185 - 189 °C	Density [g/cm3]	1.345 g/cm3 at 20 °C
Solubility in water [% weight]	573 g/l at 20 °C - completely soluble	Partition coefficient Log Pow octanol / water at 20°C	-1.7		

Packaging

Specification

Appearance	White crystalline powder
Assay	Min 99%
Melting point	179 - 186 °C
pH (10% solution in water; 20°C)	4.5 - 6.0
Chloride (Cl)	36.1 - 37.1%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

GUANIDINE NITRATE 98% EXTRAPURE

Guanidinium nitrate

Product Code.	01309	Grade	
Purity	98%	CAS No.	506-93-4
Molecular Formula	CH5N3.HNO3	Molecular Weight	122.08
H.S.Code	2925.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	pH value	7
Melting point/ Freezing point [°C]	213 - 215 °C	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	White crystalline powder
Assay	Min 98%
Melting point	211 - 215 deg C

Safety Information and Hazard Symbols



Symbol: GHS03, GHS07

Signal Word: Warning

UN No.: 1467

IMCO Class No.: 5.1

Packing Group: III

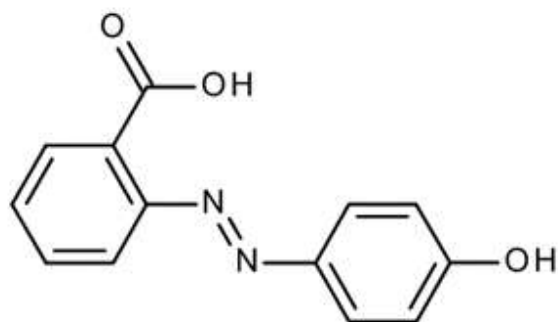
Hazardous Statement: H272-H302-H315-H319-H335

Precaution Statement: P220-P261-P305 + P351 + P338

HABA 98% AR FOR AUTOMATIC ANALYSIS

For automatic analysis-Reagent for measuring serum/plasma albumin 2-(4-Hydroxybenzeneazo)-benzoic acid

Product Code.	01318	Grade	
Purity	98%	CAS No.	1634-82-8
Molecular Formula	C13H10N2O3	Molecular Weight	242.34
H.S.Code	2927.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown powder

Specification

Appearance	Light brown powder
Assay (titration)	Min 98%
Melting range	204 - 208 deg C
Ash content	Max 0.05%

Safety Information and Hazard Symbols

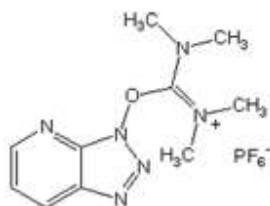


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

HATU 98% FOR PEPTIDE SYNTHESIS

O-(7-Azobenzotriazol-1-yl) N,N,N'-tetramethyluronium hexafluorophosphate

Product Code.	01319	Grade	
Purity	97 %	CAS No.	148893-10-1
Molecular Formula	C ₁₀ H ₁₅ F ₆ N ₆ OP	Molecular Weight	380.20
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown powder	Odour	Odorless
Melting point/ Freezing point [°C]	183 - 185 °C				

Specification

Appearance	White to off-white powder
Assay	Min 98%
Melting point	183 - 188 deg C

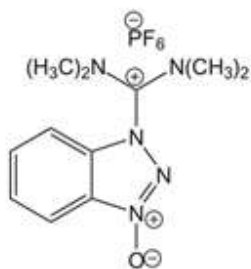
Safety Information and Hazard Symbols

Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1325 IMCO Class No.: 4.1 Packing Group: II Hazardous Statement: H228-H315-H319-H335 Precaution Statement: P210-P261-P305 + P351 + P338

HBTU 97% FOR PEPTIDE SYNTHESIS

Store at 2-8°C O-(Benzotriazol-1-yl) N,N,N'-tetramethyluronium hexafluorophosphate)

Product Code.	01321	Grade	
Purity	97%	CAS No.	94790-37-1
Molecular Formula	C11H16F6N5OP	Molecular Weight	379.20
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	200 °C				

Specification

Appearance	White crystalline powder
Assay	Min 97%
Solubility (0.1 g/mL in CH3CN)	Clear
Melting point (with decomposition)	About 200°C

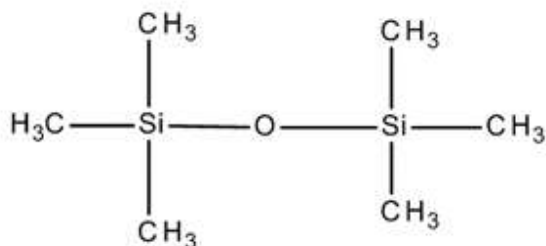
Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

HEXAMETHYL DISILOXANE 99% FOR SYNTHESIS

HMDSO

Product Code.	01343	Grade	
Purity	99%	CAS No.	107-46-0
Molecular Formula	(CH ₃) ₃ SiOSi(CH ₃) ₃	Molecular Weight	162.38
H.S.Code	2931.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-59 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	-1 °C	Boiling point [°C]	101 °C
Vapour pressure [20°C]	44 hPa at 20 °C	Vapour density	5.61	Density [g/cm ³]	0.764
Relative density, liquid (water=1)	0.764	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	4.2
Viscosity at 40°C [mm ² /s]	0.5 mPa @ 25 deg C	Explosion limits - upper [%]	21.80%	Explosion limits -lower [%]	0.50%

Packaging

Specification

Appearance	A clear colourless liquid
Assay (GC area %)	Min 99%
Refractive index (20°C; 589 nm)	About 1.378
Density (d ₂₀ ²⁰ /4°C)	0.761-0.763g

Safety Information and Hazard Symbols



Symbol: GHS02, GHS09

Signal Word: Danger

UN No.: 1993

IMCO Class No.: 3

Packing Group: II

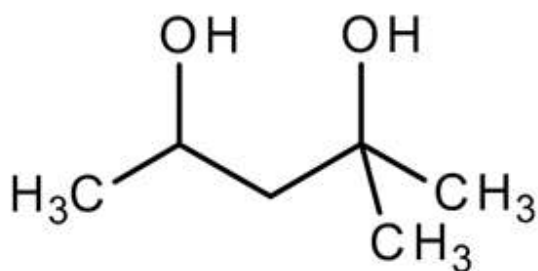
Hazardous Statement: H225-H411

Precaution Statement: P210-P273

HEXYLENE GLYCOL (FOR SYNTHESIS)

(±)-2-Methyl-2,4-pentanediol

Product Code.	01356	Grade	
Purity	99%	CAS No.	107-41-5
Molecular Formula	C6H14O2	Molecular Weight	118.18
H.S.Code	2905.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless viscous	Odour	Sweetish odour
pH value	6.0 - 8.0 at 118.2 g/l at 25 °C	Melting point/ Freezing point [°C]	-40 °C	Auto-ignition temperature [°C]	305.85°C
Flash point [°C]	94 °C	Boiling point [°C]	197 °C	Vapour pressure [20°C]	0.03 hPa at 20 °C
Vapour density	4.08	Density [g/cm3]	0.925 g/cm3 at 25 °C	Solubility in water [% weight]	118.2 g/l at 20 °C
Partition coefficient Log Pow octanol / water at 20°C	-0.14	Explosion limits - upper [%]	7.40%	Explosion limits -lower [%]	1.30%

Packaging

Specification

Appearance	A clear colorless viscous liquid
Assay (GC area %)	Min 99%
Density (d20°C/4°C)	0.921 - 0.923

Safety Information and Hazard Symbols



Symbol: GHS07

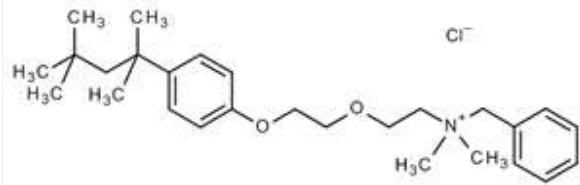
Signal Word: Warning

Hazardous Statement: H315-H319

Precaution Statement: P305 + P351 + P338

HYAMINE 1622 99%
Benzethonium Chloride

Product Code.	01364	Grade	
Purity	99%	CAS No.	121-54-0
Molecular Formula	C27H42ClNO2	Molecular Weight	448.18
H.S.Code	2923.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder or white crystalline powder	Odour	Odorless
pH value	5.5 - 7.5	Melting point/ Freezing point [°C]	160 - 166 °C	Vapour pressure [20°C]	< 0.001 hPa @ 2°C
Solubility in water [% weight]	44.8 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	1.08		

Packaging

Specification

Appearance	White powder or white crystalline powder
Assay	Min 99.0%
Identity (IR)	Conforms to structure
Melting point	158 - 163°C
Loss on dryig (at 105°C; 6 hrs)	Max 5.0%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS09

Signal Word: Danger

UN No.: 2923

IMCO Class No.: 8, 6.1

Packing Group: III

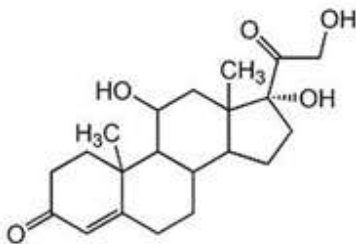
Hazardous Statement: H301-H314-H410

Precaution Statement: P273-P280-P301 + P310-P305 + P351 + P338-P310-P501

HYDROCORTISONE

Cortisol

Product Code.	01390	Grade	
Purity	99%	CAS No.	50-23-7
Molecular Formula	C21H30O5	Molecular Weight	362.47
H.S.Code	2937.21000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	211 - 214 °C	Solubility in water [% weight]	Slightly soluble in water		

Specification

Appearance	White powder
Assay	Min 99%
Melting point	213 - 217 deg C

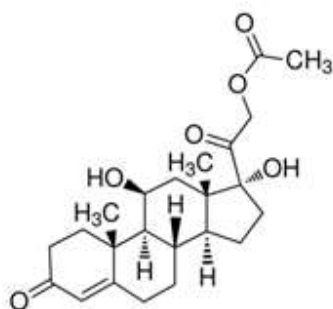
Safety Information and Hazard Symbols

Symbol: GHS08 Signal Word: Warning Hazardous Statement: H361 Precaution Statement: P280

HYDROCORTISONE ACETATE 97% EXTRAPURE

11 β ,17 α ,21-Trihydroxy-4-pregnene-3,20-dione 21-acetate; 17 α -Hydroxycorticosterone acetate; 17-Hydroxycorticosterone 21-acetate; 21-Acetoxy-4-pregnene-11 β ,17 α -diol-3,20-dione; 4-Pregnene-11 β ,17 α ,21-triol-3,20-dione 21-acetate

Product Code.	01391	Grade	
Purity	97%	CAS No.	50-03-3
Molecular Formula	C23H32O6	Molecular Weight	404.51
H.S.Code	2937.21000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	223 °C	Density [g/cm3]	1.289	Solubility in water [% weight]	Insoluble in water

Specification

Appearance	A white or almost white crystalline powder
Assay	Min 97%
Melting point	222 - 225°C

Safety Information and Hazard Symbols

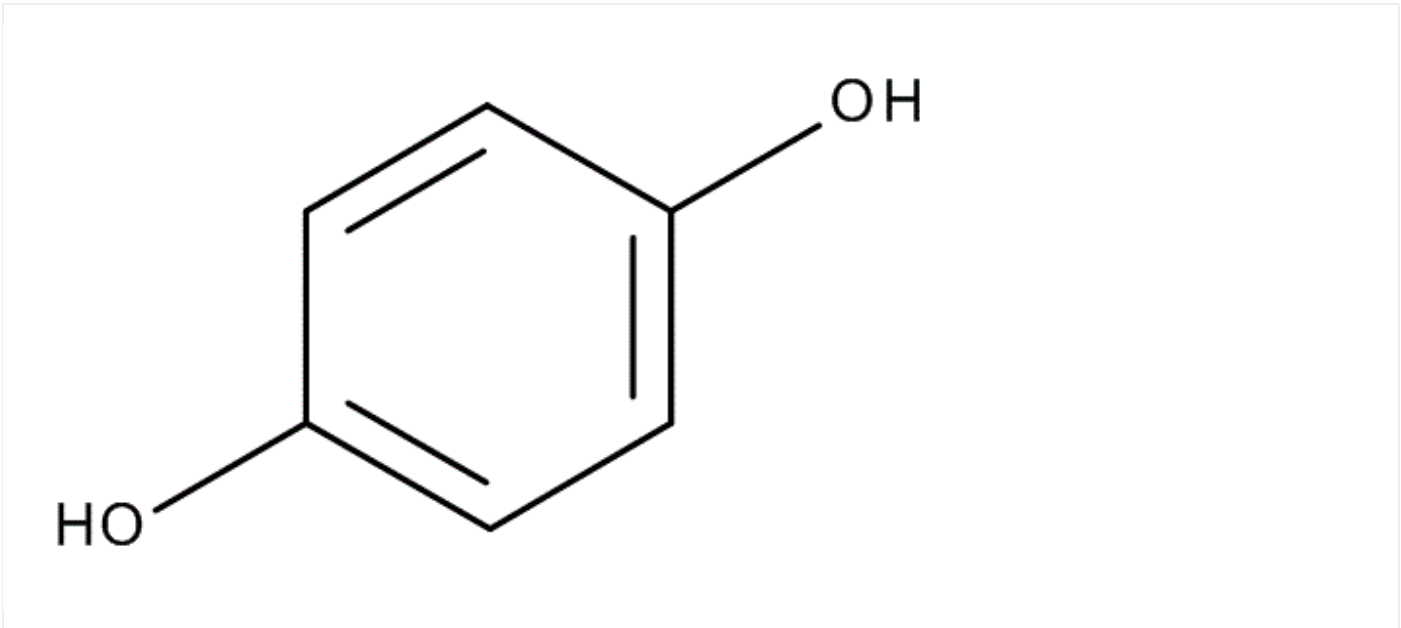


Symbol: GHS08
Signal Word: Warning
Hazardous Statement: H361
Precaution Statement: P280

HYDROQUINONE 99% AR

Quinol

Product Code.	01400	Grade	
Purity	99%	CAS No.	123-31-9
Molecular Formula	C6H6O2	Molecular Weight	110.11
H.S.Code	2907.22000	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	3.7
Melting point/ Freezing point [°C]	172 - 175 °C	Auto-ignition temperature [°C]	499 °C	Flash point [°C]	165 °C
Boiling point [°C]	285 °C	Vapour pressure mm/Hg	1 mmHg at 132 °C	Vapour density	3.8
Density [g/cm3]	1.332	Solubility in water [% weight]	Soluble in water	Partition coefficient Log Pow octanol / water at 20°C	0.59

Packaging

Specification

Appearance	White crystalline powder
Assay	Min 99%

Melting point	170 - 174 deg C
Insoluble matter	Max 0.005%
Sulphated ash	Max 0.02%
Sulphate (SO ₄)	Max 0.02%
Copper (Cu)	Max 0.01%
Iron (Fe)	Max 0.001%
Lead (Pb)	Max 0.001%
Catechol	Max 0.02%

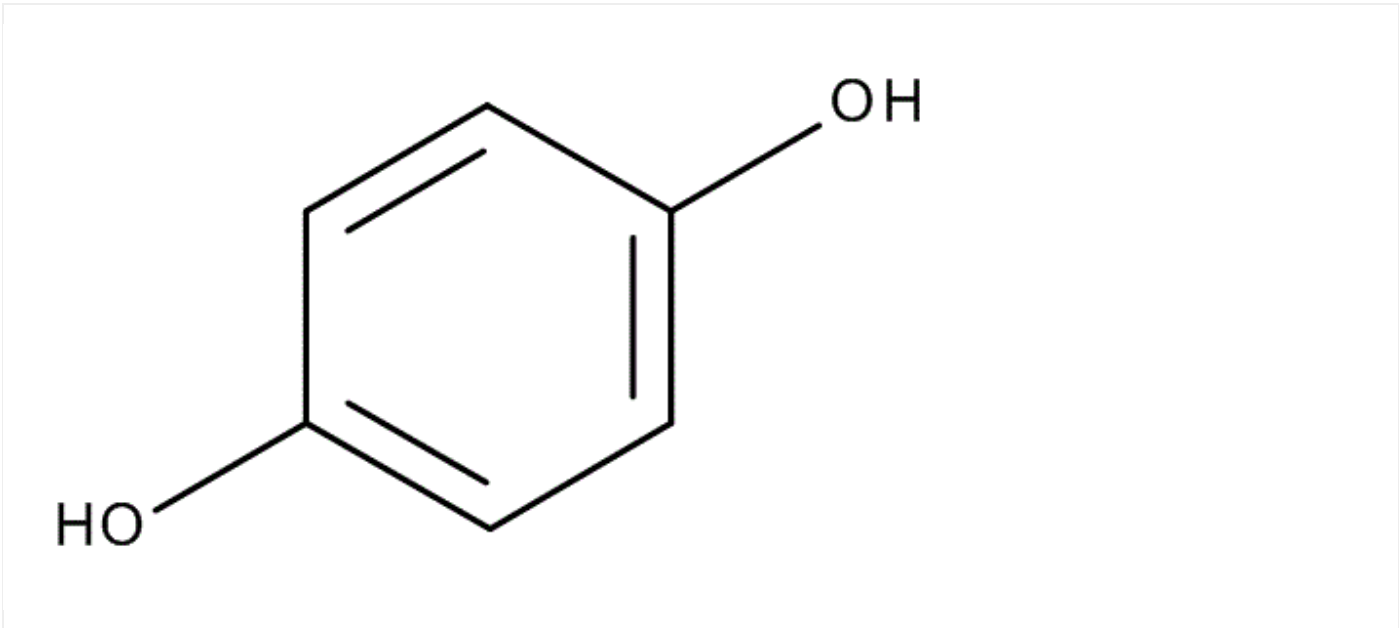
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H317-H318-H341-H351-H400 Precaution Statement: P273-P280-P305 + P351 + P338

HYDROQUINONE 99% FOR SYNTHESIS

Quinol

Product Code.	01399	Grade	For Synthesis
Purity	99%	CAS No.	123-31-9
Molecular Formula	C6H6O2	Molecular Weight	110.11
H.S.Code	2907.22000	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	3.7
Melting point/ Freezing point [°C]	172 - 175 °C	Auto-ignition temperature [°C]	499 °C	Flash point [°C]	165 °C
Boiling point [°C]	285 °C	Vapour pressure mm/Hg	1 mmHg at 132 °C	Vapour density	3.8
Density [g/cm3]	1.332	Solubility in water [% weight]	Soluble in water	Partition coefficient Log Pow octanol / water at 20°C	0.59

Packaging

Specification

Appearance	White crystalline powder
Assay	99.0 - 101.0%

Melting point	170 - 174°C
Sulphated ash	Max 0.05%
Sulphate (SO ₄)	Max 0.05%
Pyrocatechol (C ₆ H ₆ O ₂)	Max 0.05%

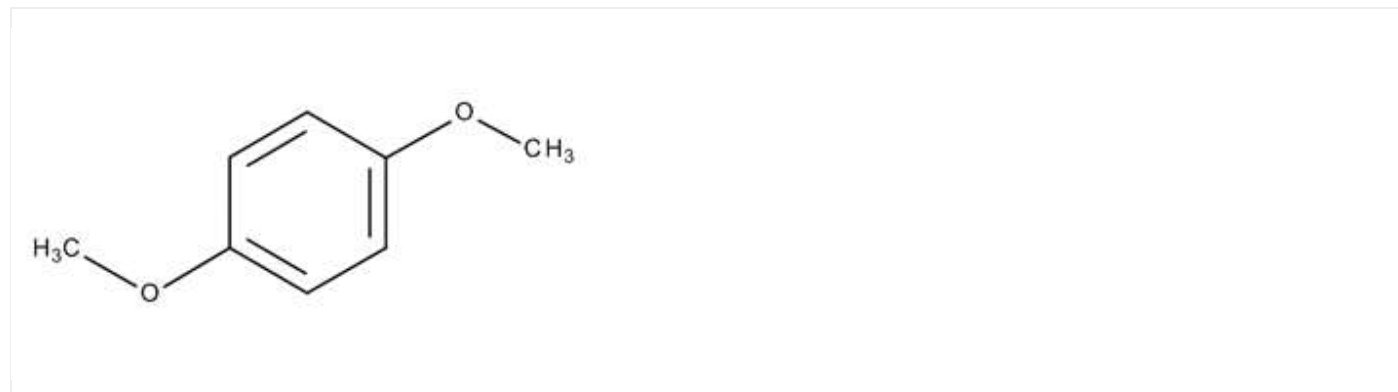
Safety Information and Hazard Symbols

Symbol: GHS05, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H317-H318-H341-H351-H400 Precaution Statement: P273-P280-P305 + P351 + P338

HYDROQUINONE DIMETHYL ETHER 99% FOR SYNTHESIS

1,4-Dimethoxybenzene

Product Code.	01401	Grade	
Purity	99%	CAS No.	150-78-7
Molecular Formula	C8H10O2	Molecular Weight	138.17
H.S.Code	2909.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	54 - 56 °C	Auto-ignition temperature [°C]	423 °C	Flash point [°C]	125 °C
Boiling point [°C]	213 °C	Vapour pressure [20°C]	< 1 hPa at 20 °C	Density [g/cm3]	1.053 g/mL at 25 °C

Specification

Appearance	White crystalline powder
Assay (by GC)	Min 99%
Melting point	53 - 56 deg C

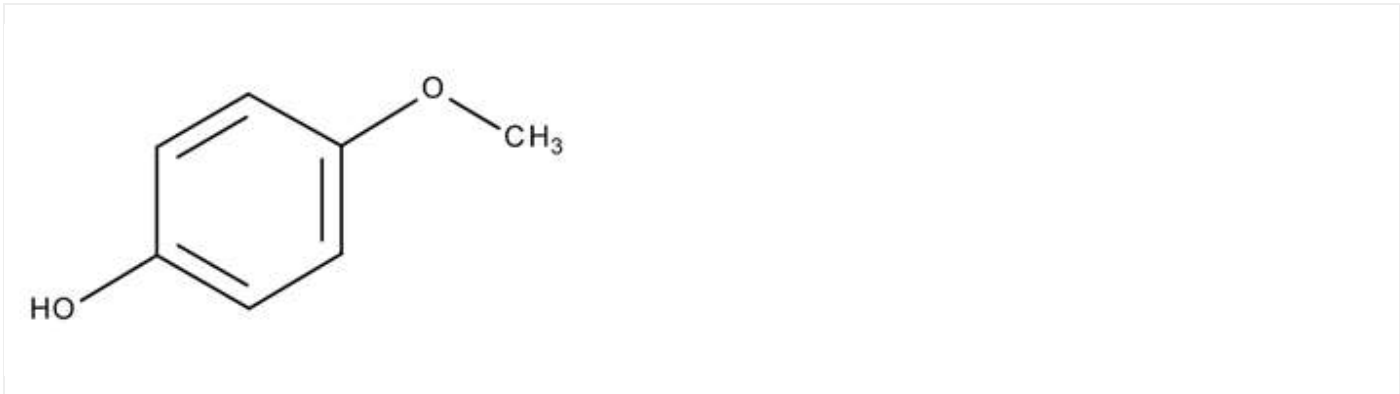
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

HYDROQUINONE MONOMETHYL ETHER 99% FOR SYNTHESIS

4-Methoxyphenol

Product Code.	01402	Grade	
Purity	99%	CAS No.	150-76-5
Molecular Formula	C7H8O2	Molecular Weight	124.14
H.S.Code	2909.49000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White waxy	Odour	Faint fruity odor
pH value	5.1 at 30 g/l	Melting point/ Freezing point [°C]	54 - 56 °C	Auto-ignition temperature [°C]	214 °C
Flash point [°C]	132 °C	Boiling point [°C]	243 °C	Vapour pressure [20°C]	< 0.1 hPa at 20 °C
Vapour density	5	Density [g/cm3]	1.073	Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	1.34	Viscosity at 40°C [mm2/s]	5 mPa @ 30°C		

Packaging

Specification

Appearance	White waxy flakes
Assay (by GC)	Min 99%
Melting range	54 - 56 deg C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

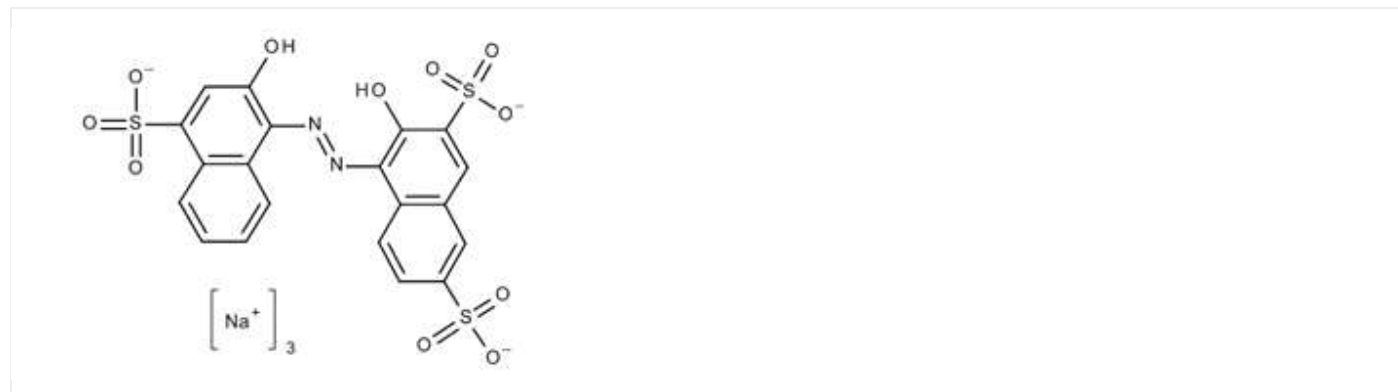
Hazardous Statement: H302-H317-H319

Precaution Statement: P280-P305 + P351 + P338

HYDROXY NAPHTHOL BLUE

Indicator for Calcium determination.

Product Code.	01418	Grade	
Purity		CAS No.	63451-35-4
Molecular Formula	C ₂₀ H ₁₁ N ₂ Na ₃ O ₁₁ S ₃	Molecular Weight	620.48
H.S.Code	2927.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
Melting point/ Freezing point [°C]	801°C	Boiling point [°C]	1413°C	Vapour pressure mm/Hg	1.0 mm Hg @ 8650C
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	Black colored powder
Absorption maxima (buffer pH 12.0)	646 nm +/- 2 nm
Loss on drying (at 105°C)	Max 5.0%
Suitability (as metal indicator)	Passes test

Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

HYFLO SUPER CEL

Filter aid; calcined; treated with sodium carbonate according to granulometric method Laser sizer.
Diatomaceous earth; flux-calcined

Product Code.	01425	Grade	
Purity		CAS No.	61790-53-2
Molecular Formula		Molecular Weight	0.00
H.S.Code	2512.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	5 - 10	Melting point/ Freezing point [°C]	1710°C	Boiling point [°C]	2230°C
Vapour pressure mm/Hg	10 mm Hg @ 17320C	Density [g/cm3]	1.9-2.35	Solubility in water [% weight]	Insoluble in water

Packaging

Specification

Appearance	White or off white powder
Solubility	10% suspension in water is clear
Acid soluble matter	Max 1.5%
Iron soluble in HCl	Max 0.05%
Loss on ignition (at 800°C)	Max 0.5%

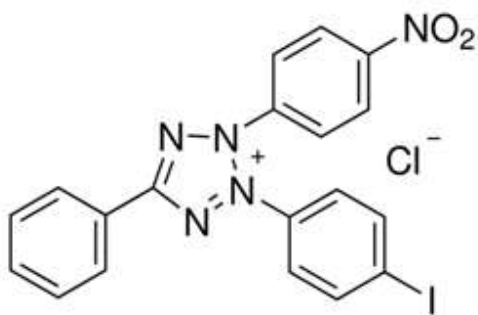
Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Warning Hazardous Statement: H319-H335-H373 Precaution Statement: P261-P305 + P351 + P338

I.N.T. 95% AR

2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-phenyltetrazolium chloride

Product Code.	01447	Grade	
Purity	95%	CAS No.	146-68-9
Molecular Formula	C ₁₉ H ₁₃ ClIN ₅ O ₂	Molecular Weight	505.70
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pale yellow crystalline	Odour	Odorless

Specification

Appearance	Pale yellow coloured crystalline powder
Assay (ex Cl)	Min 95%
Suitability for LDH	Passes test
Melting point	245 deg C

Safety Information and Hazard Symbols



Symbol: GHS08
Signal Word: Warning
Hazardous Statement: H371
Precaution Statement: P260

IMMERSION OIL FOR MICROSCOPY

Product Code.	1430A	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3824.99000	Shelf Life	60 Months

Physical Properties

Packaging

Specification

Appearance	Clear colorless to yellow liquid
Refractive index (20°C; 589 nm)	1.515 - 1.526
Suitability (for microscopy)	Passes test

Safety Information and Hazard Symbols

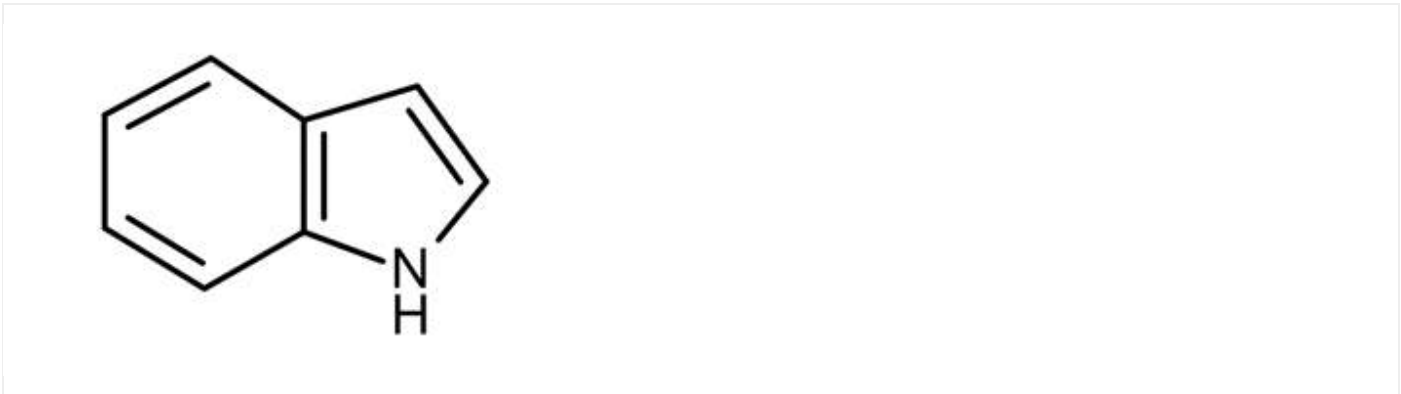


Symbol: GHS07
Signal Word: Warning
UN No.: 3082
IMCO Class No.: 9
Packing Group: III
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338
Risk Statement: 36/37/38
Safety Statement: 26-36

INDOLE 99% AR

For estimation of DNA. 1H-Benzo[b]pyrrole

Product Code.	01441	Grade	
Purity	99%	CAS No.	120-72-9
Molecular Formula	C8H7N	Molecular Weight	117.15
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless to light yellow	Odour	Unpleasant
Melting point/ Freezing point [°C]	52°C	Boiling point [°C]	253°C	Density [g/cm3]	1.22
Solubility in water [% weight]	Slightly soluble				

Packaging

Specification

Appearance	White to pale cream powder or crystals or flakes
Assay	Min 99%
Melting range	51 - 54 deg C
Iron (Fe)	Max 0.001%
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS09

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

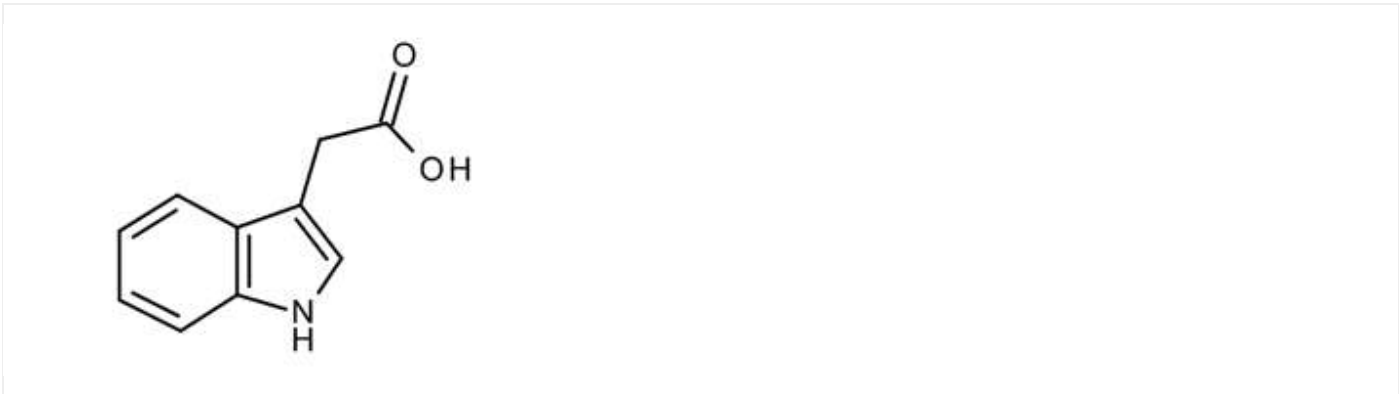
Hazardous Statement: H302-H311-H315-H318-H335-H400

Precaution Statement: P261-P273-P280-P305 + P351 + P338-P312

INDOLE-3-ACETIC ACID 99% FOR BIOCHEMISTRY

Plant growth hormone. Heteroauxin; IAA

Product Code.	01442	Grade	For Biochemistry
Purity	99%	CAS No.	87-51-4
Molecular Formula	C10H9NO2	Molecular Weight	175.19
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white powder	Melting point/ Freezing point [°C]	165 - 169 °C
Solubility in water [% weight]	Insoluble in water				

Packaging

Specification

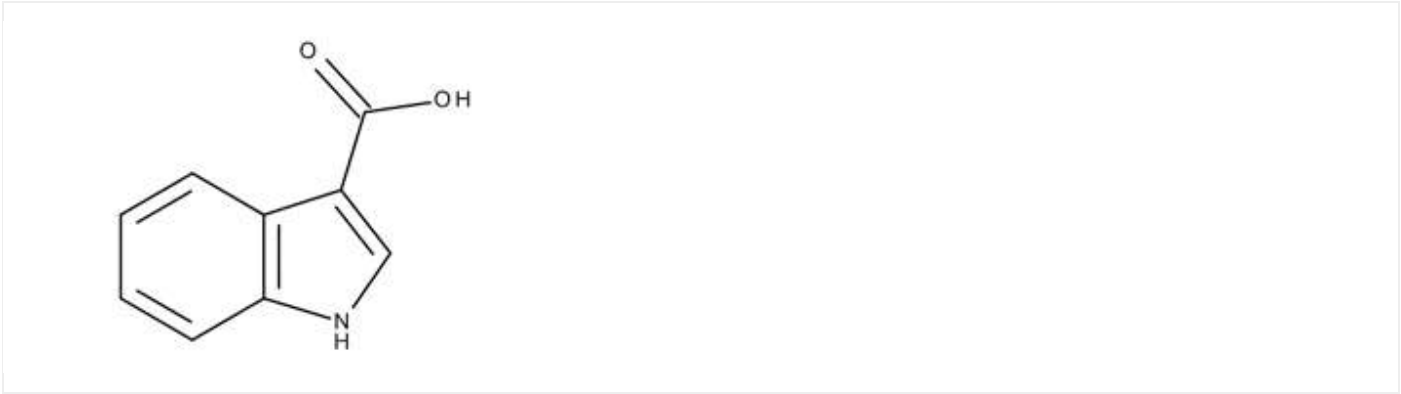
Appearance	White to Beige to Pink Powder or Crystals or Flakes
Assay (alkalimetric)	Min 99%
Melting range	167 - 170°C
Heavy metal (as Pb)	Max 0.001%
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols

INDOLE-3-CARBOXYLIC ACID 99% FOR BIOCHEMISTRY

β-Indolylcarboxylic acid; 3-Carboxyindole; 3-Indole formic acid; 3-Indolylcarboxylic acid; Indole-β-carboxylic acid

Product Code.	01444	Grade	
Purity	99%	CAS No.	771-50-6
Molecular Formula	C9H7NO2	Molecular Weight	161.16
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown	Melting point/ Freezing point [°C]	232 - 234 °C

Packaging

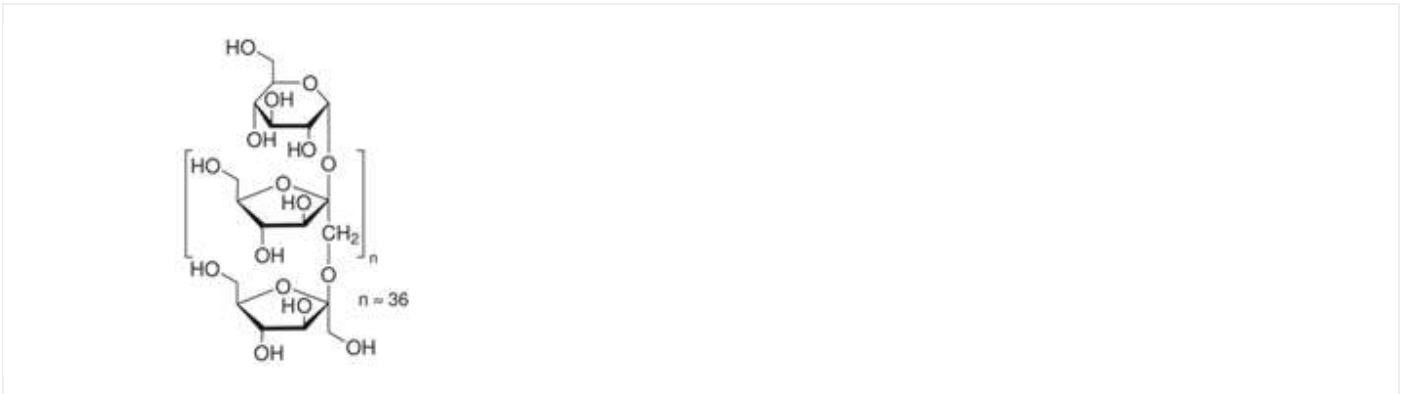
Specification

Appearance	Light brown powder
Assay (titration)	Min 99%

Safety Information and Hazard Symbols

INULIN FOR BIOCHEMISTRY

Product Code.	01448	Grade	
Purity		CAS No.	9005-80-5
Molecular Formula	(C6H10O5)X	Molecular Weight	0.00
H.S.Code	1108.20000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	158 - 165 °C	Density [g/cm3]	1.4	Solubility in water [% weight]	Soluble in hot water

Packaging

Specification

Appearance	White powder
Specific optical rotation ([α] _D ²⁰ ; 5% in water; on dried substance)	-34 to -38 deg
Heavy metal (as Pb)	Max 0.001%
Fructose	Max 0.1%
Water (H ₂ O)	Max 8%

Safety Information and Hazard Symbols

IODINE PENTOXIDE 99% AR
For fuel gas analysis. Iodic anhydride

Product Code.	01461	Grade	
Purity	99%	CAS No.	12029-98-0
Molecular Formula	I2O5	Molecular Weight	333.81
H.S.Code	2811.29900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	275°C
Density [g/cm3]	5.08	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	A white crystalline powder
Assay	Min 99%
Heavy metal (as Pb)	Max 0.001%
Iron (Fe)	Max 0.001%
Loss on dryig (at 200°C)	Max 1%
Residue on ignition (as SO4)	Max 0.02%

Safety Information and Hazard Symbols


Symbol: GHS03, GHS05 Signal Word: Danger UN No.: 3085 IMCO Class No.: 5.1 Packing Group: II Hazardous Statement: H272-H314 Precaution Statement: P220-P280-P305 + P351 + P338-P310

IODINE TRICHLORIDE 97% FOR SYNTHESIS

Iodine Chloride

Product Code.	01462	Grade	For Synthesis
Purity	97%	CAS No.	865-44-1
Molecular Formula	ICl3	Molecular Weight	233.26
H.S.Code	2812.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Reddish brown	Odour	Pungent odour
Melting point/ Freezing point [°C]	63 °C				

Packaging

Specification

Appearance	Reddish brown crystals/powder
Assay	Min 97.0%
Melting point	About 33°C

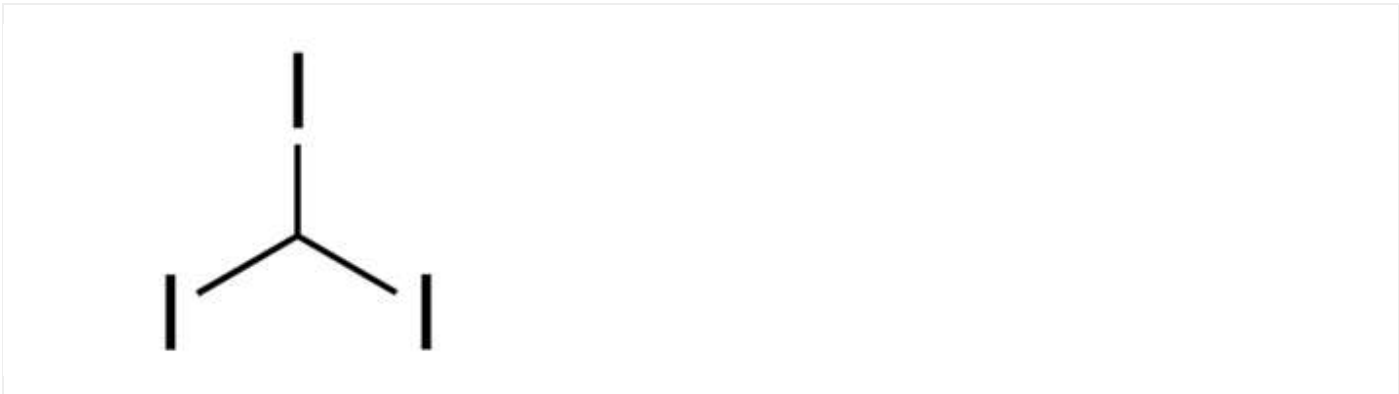
Safety Information and Hazard Symbols


Symbol: GHS03, GHS05 Signal Word: Danger UN No.: 3085 IMCO Class No.: 5.1 Packing Group: II Hazardous Statement: H272-H314 Precaution Statement: P220-P280-P305 + P351 + P338-P310

IODOFORM 99% EXTRAPURE

Triiodomethane

Product Code.	01465	Grade	Extrapure
Purity	99%	CAS No.	75-47-8
Molecular Formula	CHI3	Molecular Weight	393.73
H.S.Code	2903.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow powder	Odour	Unpleasant Odor
Melting point/ Freezing point [°C]	118 - 121 °C	Boiling point [°C]	218°C	Vapour density	13.6
Density [g/cm3]	4.008 g/cm3 at 25 °C	Solubility in water [% weight]	Slightly soluble in water		

Packaging

Specification

Appearance	A yellow colored powder
Assay (argentometric; on dried basis)	99 - 100.5%
Chloride (Cl)	Max 0.01%
Sulphate (SO4)	Max 0.005%
Sulphated ash	Max 0.1%
Loss on drying	Max 1%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H302-H312-H315-H319-H332-H335

Precaution Statement: P261-P280-P305 + P351 + P338

IODOFORM 99+%

Product Code.	1465A	Grade	
Purity	99+%	CAS No.	75-47-8
Molecular Formula	CHI3	Molecular Weight	393.73
H.S.Code	2903.39900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow powder	Odour	Unpleasant Odor
Melting point/ Freezing point [°C]	118 - 121 °C	Boiling point [°C]	218°C	Vapour density	13.6
Density [g/cm3]	4.008 g/cm3 at 25 °C	Solubility in water [% weight]	Slightly soluble in water		

Specification

Appearance (Color)	Bright yellow to dark yellow
Appearance (Form)	Crystalline powder
Infrared spectrum	Conforms
Melting point	119°C to 122°C
Titration	>=99.0 %
Loss on drying	=<0.5 % (24 h) (Over silica gel)
Residue after ignition	=<0.1 %
Chloride (Cl)	=<110 ppm
Sulfate (SO4)	=<170 ppm

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H312-H315-H319-H332-H335 Precaution Statement: P261-P280-P305 + P351 + P338

IODOPHOR (DISINFECTANT)

It is used as a sanitizer & disinfectant for dairies & food processing plants.

Product Code.	01466	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3808.94000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Reddish brown	pH value	1 - 2
Density [g/cm3]	1.01	Solubility in water [% weight]	Miscible with water		

Packaging

Specification

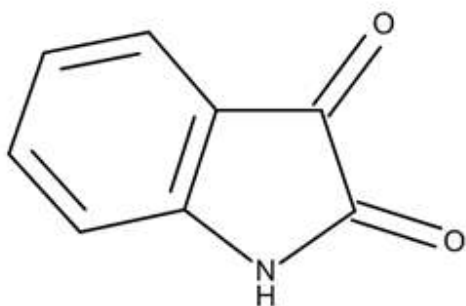
Appearance	A reddish brown liquid
Available iodine	1.6 - 1.7%
Total acidity	2.5 - 2.7%

Safety Information and Hazard Symbols

ISATIN 98% AR

Chromatographic spray reagent for amino acid. 2,3-Dioxo-2,3-dihydroindole; 2,3-Diketoidoline, 2,3-Dioxindoline; 2,3-Indolinedione, o-Aminobenzoylformic anhydride; Isatic acid lactam; Isatinic acid anhydride

Product Code.	01473	Grade	
Purity	98%	CAS No.	91-56-5
Molecular Formula	C8H5NO2	Molecular Weight	147.14
H.S.Code	2933.79000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange powder	Melting point/ Freezing point [°C]	193 - 195 °C
Flash point [°C]	193° C	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance	Orange powder/crystals
Assay	Min 98%
Melting point	199 - 202 deg C

Safety Information and Hazard Symbols

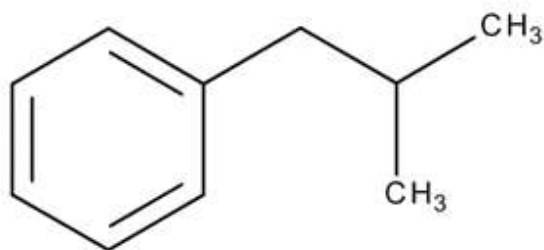


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

ISO-BUTYL BENZENE 98% EXTRA PURE

2-Methyl-1-phenylpropane; (2-Methylpropyl)benzene

Product Code.	00566	Grade	
Purity	98%	CAS No.	538-93-2
Molecular Formula	C ₁₀ H ₁₄	Molecular Weight	134.22
H.S.Code	2902.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour threshold	40 ppm
Melting point/ Freezing point [°C]	5.5°C	Critical temperature [°C]	274.6°C	Auto-ignition temperature [°C]	415.56°C
Flammability (solid, gas)	Flammable	Flash point [°C]	-18°C	Boiling point [°C]	170 °C
Vapour pressure [20°C]	10 kPa (@ 20°C)	Vapour density	2.8	Density [g/cm ³]	0.84
Relative density, gas (air=1)	0.853 g/mL at 25 °C	Solubility in water [% weight]	Partially soluble in cold water	Explosion limits - upper [%]	0.80%

Packaging



Specification

Appearance	A clear colourless liquid.

Assay (GC area %)	Min 98%
Density (d20°C/4°C)	0.852 - 0.854
Identity	Passes test

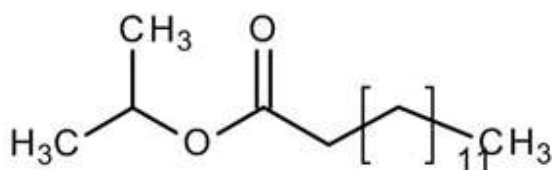
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Warning UN No.: 3295 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226-H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

ISO-PROPYL MYRISTATE 95% EXTRAPURE

IPM 100; IPM-EX; IPM-R; IPM; Isopropyl tetradecanoate; Myristic acid isopropyl ester

Product Code.	02218	Grade	Extrapure
Purity	95%	CAS No.	110-27-0
Molecular Formula	C17H34O2	Molecular Weight	270.45
H.S.Code	2915.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
Melting point/ Freezing point [°C]	3°C	Auto-ignition temperature [°C]	208°C	Flash point [°C]	152 °C
Boiling point [°C]	193 °C	Vapour pressure [20°C]	< 1 at 20 °C	Density [g/cm3]	0.85
Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	7.17	Viscosity at 40°C [mm2/s]	5.58 mm2/s at 20 °C

Packaging

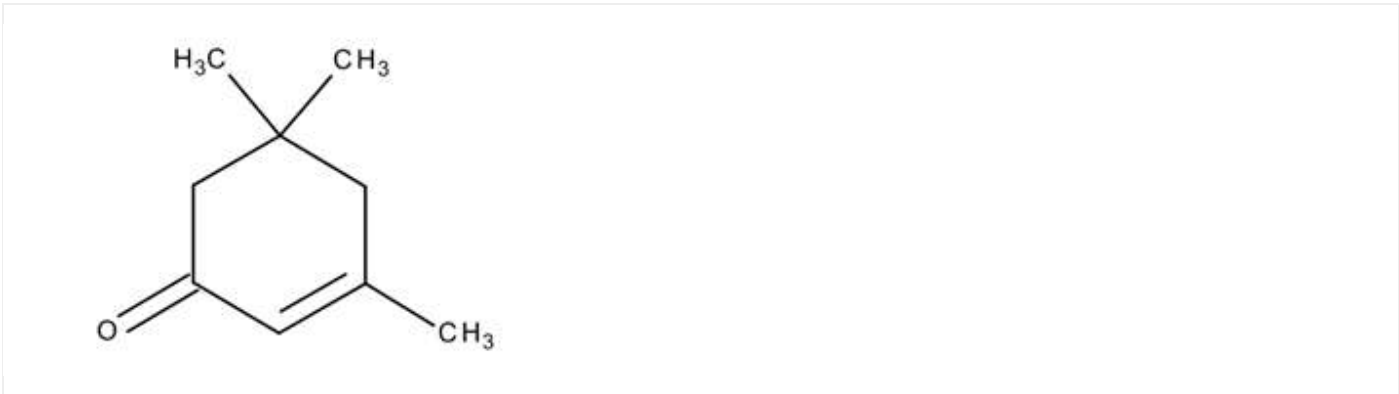
Specification

Appearance	A clear almost colorless liquid
Assay	Min 95.0%
Acid value (mg KOH/gm)	Max 0.5
Iodine number	Max 1 g I2/100gm
Weight/ mL at 20°C	about 0.853 g/ml

ISOPHORONE 98% FOR SYNTHESIS

3,5,5-Trimethyl-2-cyclohexen-1-one

Product Code.	01476	Grade	
Purity	98%	CAS No.	78-59-1
Molecular Formula	C9H14O	Molecular Weight	138.21
H.S.Code	2914.19100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Light yellow	Melting point/ Freezing point [°C]	-8 °C
Auto-ignition temperature [°C]	462 °C	Flash point [°C]	96 °C	Boiling point [°C]	213 - 214 °C
Initial boiling point [°C]	213°C	Final boiling point [°C]	214 °C	Vapour pressure [20°C]	0.3 hPa at 20°C
Density [g/cm3]	0.923 g/cm3 at 25 °C	Explosion limits - upper [%]	3.80%	Explosion limits -lower [%]	0.80%

Packaging

Specification

Appearance	Pale yellow coloured liquid
Assay	Min 98%
Density (d20°C/4°C)	0.920 - 0.922
Refractive index (20°C; 589 nm)	1.4759 - 1.4761

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Warning

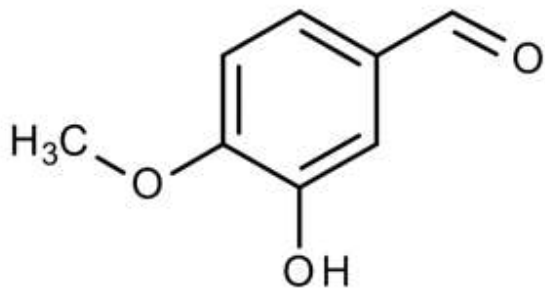
Hazardous Statement: H302-H312-H319-H335-H351

Precaution Statement: P261-P280-P305 + P351 + P338

ISOVANILINE 98% EXTRAPURE

3-Hydroxy-4-methoxybenzaldehyde, 3-Hydroxyanisaldehyde

Product Code.	01480	Grade	
Purity	98%	CAS No.	621-59-0
Molecular Formula	C8H8O3	Molecular Weight	152.20
H.S.Code	2912.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to light brown	Melting point/ Freezing point [°C]	113 - 115 °C
Boiling point [°C]	179 °C				

Specification

Appearance	White to brown crystalline powder
Assay (GC area %)	Min 98%
Melting point	113 - 116 deg C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

KAOLIN EXTRA PURE (LIGHT POWDER)

Confirms IP specification china clay

Product Code.	01486	Grade	
Purity		CAS No.	1332-58-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	2507.00290	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	1760°C	Density [g/cm3]	2.2	Solubility in water [% weight]	Insoluble in water

Packaging

Specification

Appearance	Light, white powder
Coarse particles	Passes test
Fine particles	Passes test
Arsenic (As)	Max 0.0002%
Heavy metal (as Pb)	Max 0.002%
Chloride (Cl)	Max 0.033%
Soluble matter	Passes test
Loss on drying (at 105°C)	Max 1.5%
Loss on ignition (at 600°C)	Max 15%

Safety Information and Hazard Symbols

KARL FISCHER REAGENT (SINGLE SOLUTION)

(Single solution) Pyridine Free 1 ml of reagent = 5 mg H₂O approx. (1 lit = 1.2 kg) Ideal for aldehyde and ketones odourless & Free of pyridine & chlorinated hydrocarbons. - A stable end point - High speed titration - Outstanding reproducibility

Product Code.	01487	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Reddish-brown liquid	Odour	Pungent & odor of pyridine
Odour threshold	2.4 ppm	pH value	Alkaline	Melting point/ Freezing point [°C]	-42°C
Auto-ignition temperature [°C]	285°C	Flammability (solid, gas)	Flammable	Flash point [°C]	20°C
Boiling point [°C]	115.3°C	Vapour pressure [20°C]	14 mm of Hg (@ 20°C)	Vapour pressure mm/Hg	7.64 mm of Hg (@ 20°C)
Vapour density	2.73	Density [g/cm ³]	1.12	Solubility in water [% weight]	Miscible in water
Explosion limits - upper [%]	14%	Explosion limits -lower [%]	1.80%		

Specification

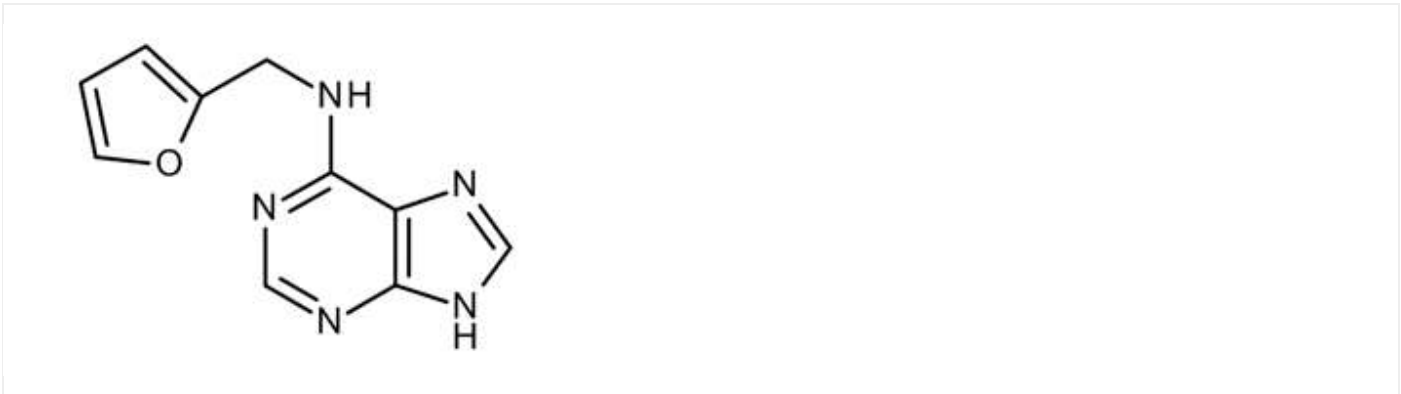
Appearance	Dark reddish brown solution
Factor	5.5 - 6.5 mgH ₂ O/mL

Safety Information and Hazard Symbols


Symbol: GHS02, GHS06, GHS08 Signal Word: Danger UN No.: 1188 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226-H302-H312-H315-H317-H319-H331-H360FD Precaution Statement: P201-P261-P280-P305 + P351 + P338-P310

KINETINE CHR 99.5%
6-Furfurylaminopurine

Product Code.	01490	Grade	
Purity	99.5%	CAS No.	525-79-1
Molecular Formula	C10H9N5O	Molecular Weight	215.22
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	269 - 271 °C	Decomposition point [°C]	271 °C	Solubility in water [% weight]	Slightly soluble in water

Packaging

Specification

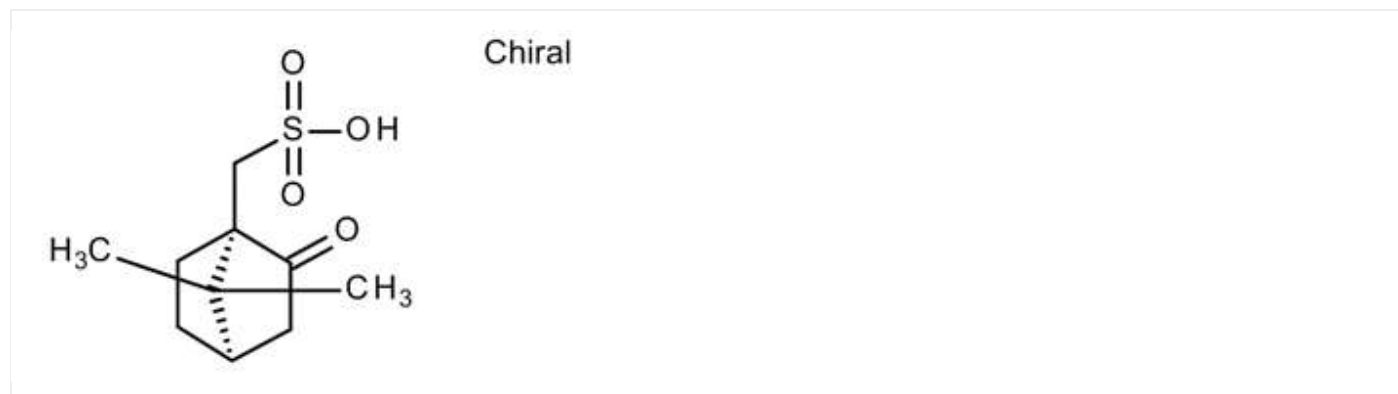
Appearance	White to yellow color crystalline powder
Assay	Min 99.5%
Melting point	267 - 270 deg C

Safety Information and Hazard Symbols

L-(-) CAMPHOR SULPHONIC ACID EXTRA PURE

(-)-Camphor-10-sulfonic acid; (1R)-(-)-Camphor-10-sulfonic acid; (1R)-Camphor-10-sulfonic acid

Product Code.	00671	Grade	
Purity	99%	CAS No.	35963-20-3
Molecular Formula	C ₁₀ H ₁₆ O ₄ S	Molecular Weight	232.50
H.S.Code	2914.79900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	1.2 - 1.4
Melting point/ Freezing point [°C]	200 °C				

Packaging



Specification

Appearance	White crystalline powder
Assay	Min 99%
Melting range	193 - 196 deg C
Specific optical rotation ([α] _D ²⁰ ; 10% in water)	-23 to -21 deg

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: Danger

UN No.: 3261

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H314

Precaution Statement: P280-P305 + P351 + P338-P310

LACTOPHENOL (COTTON BLUE) FOR MICROSCOPY

Special for Fungi.

Product Code.	01496	Grade	For Microscopy
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Blue coloured solution

Packaging

Specification

Appearance	Blue colored solution
Suitability (for microscopy)	Passes test
Solubility in water (at 20°C)	Soluble

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08
Signal Word: Danger
UN No.: 2927
IMCO Class No.: 6.1,8
Packing Group: II
Hazardous Statement: H302-H314-H331-H341-H373
Precaution Statement: P261-P280-P305 + P351 + P338-P310

LACTOPHENOL PICRIC ACID FOR MICROSCOPY

Product Code.	01497	Grade	For Microscopy
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Dark green

Packaging

Specification

Appearance	Dark green coloured solution
Suitability (for microscopy)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08
Signal Word: Danger
UN No.: 2922
IMCO Class No.: 8
Packing Group: II
Hazardous Statement: H302-H312-H314-H330-H341-H373
Precaution Statement: P260-P280-P284-P305 + P351 + P338-P310

LANOLIN ANHYDROUS EXTRA PURE

Wool Grease; Wool Wax; Wool fat

Product Code.	01500	Grade	
Purity		CAS No.	8006-54-0
Molecular Formula		Molecular Weight	0.00
H.S.Code	1505.00200	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Pale yellow	Odour	Slight odour
Melting point/ Freezing point [°C]	38 - 44 °C	Auto-ignition temperature [°C]	445 °C	Flash point [°C]	113 °C
Density [g/cm3]	0.932 - 0.945	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	Pale yellow waxy substance
Melting point	38 - 44 deg C
Acid value (mg KOH/gm)	Max 1
Peroxide number	Max 20
Sapnification value	90 - 105
Loss on drying	Max 0.5%
Sulphated ash	Max 0.15%
Acidity or alkalinity	Passes test

Safety Information and Hazard Symbols

LEAD ACETATE BASIC SOLUTION 18-21%

Product Code.	01517	Grade	
Purity		CAS No.	1335-32-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	2915.29900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless	Odour	Odorless
pH value	6	Solubility in water [% weight]	Soluble		

Packaging

Specification

Appearance	Almost clear, colourless solution
Assay (as PbO; complexometric)	18 - 21%
Density (d20°C/4°C)	1.195 - 1.205
Iron and Copper salt	Passes test

Safety Information and Hazard Symbols

Symbol: GHS08, GHS09 Signal Word: Danger UN No.: 2810 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H351-H360Df-H373-H410 Precaution Statement: P201-P273-P281-P308 + P313-P501

LEAD CHROMTE 98% EXTRAPRE

Lead(II) chromate

Product Code.	01522	Grade	
Purity	98%	CAS No.	7758-97-6
Molecular Formula	PbCrO4	Molecular Weight	323.18
H.S.Code	2841.50900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	844°C	Density [g/cm3]	6.3	Solubility in water [% weight]	Negligible

Packaging

Specification

Appearance	Orange-yellow powder
Assay	Min 98%

Safety Information and Hazard Symbols


Symbol: GHS08, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H350-H360Df-H373-H410 Precaution Statement: P201-P273-P308 + P313-P501

LEAD CHROMTE 99% AR
Lead(II) chromate

Product Code.	01523	Grade	AR
Purity	99%	CAS No.	7758-97-6
Molecular Formula	PbCrO4	Molecular Weight	323.18
H.S.Code	2841.50900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	844°C	Density [g/cm3]	6.3	Solubility in water [% weight]	Negligible

Packaging

Specification

Appearance	Orange-yellow powder
Assay	Min 99.0%
Carbon (C)	Max 0.005%

Safety Information and Hazard Symbols

 
Symbol: GHS08, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H350-H360Df-H373-H410 Precaution Statement: P201-P273-P308 + P313-P501

LEAD STEARATE EXTRAPURE

Insoluble in water,Soluble in hot alcohol. Poisonous Lead (II) stearate

Product Code.	01534	Grade	
Purity		CAS No.	7428-48-0
Molecular Formula	Pb(C18H35O2)2	Molecular Weight	774.00
H.S.Code	2915.70900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	104 - 108°C	Density [g/cm3]	1.4	Solubility in water [% weight]	Slightly soluble

Packaging

Specification

Appearance	White powder
Melting point	Approx.125 deg C

Safety Information and Hazard Symbols


Symbol: GHS06 Signal Word: Danger UN No.: 2291 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301-H332 Precaution Statement: P301 + P310

LEAD THIOCYANATE 98%

Lead sulfocyanide; Lead(II) rhodanide; Plumbous thiocyanate

Product Code.	01536	Grade	
Purity	98%	CAS No.	592-87-0
Molecular Formula	C2N2PbS2	Molecular Weight	323.35
H.S.Code	2842.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	190 °C
Density [g/cm3]	3.82				

Packaging

Specification

Appearance	White to Yellow powder
Assay	Min 98%
pH	4.5 - 5.5

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 2291 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H302-H312-H332-H360-H373-H410 Precaution Statement: P201-P273-P280-P308 + P313-P501

LIME WATER SATURATED SOLUTION

Saturated solution of calcium hydroxide

Product Code.	01542	Grade	
Purity		CAS No.	1305-62-0
Molecular Formula	Ca(OH)2	Molecular Weight	74.09
H.S.Code	2825.90400	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless

Packaging

Specification

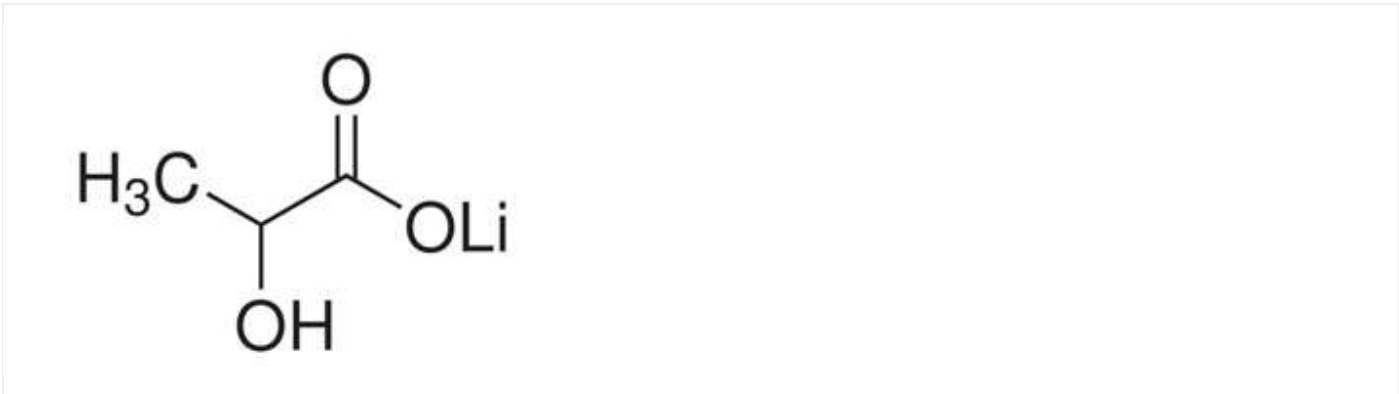
Appearance	Clear colourless solution
Identification	Passes test

Safety Information and Hazard Symbols

LITHIUM LACTATE 98% FOR SYNTHESIS

Lactic acid lithium salt

Product Code.	01558	Grade	
Purity	98%	CAS No.	867-55-0
Molecular Formula	C3H5LiO3	Molecular Weight	96.01
H.S.Code	2918.11900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	9	Melting point/ Freezing point [°C]	300 °C		

Packaging

Specification

Appearance	White powder
Assay (by HClO4 titration)	Min 98%
Loss on drying	Max 1%
Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.01%
Iron (Fe)	Max 0.005%
Heavy metal (as Pb)	Max 0.003%
Arsenic (As)	Max 0.0001%

LITHIUM SULPHATE MONOHYDRATE 99% AR

Product Code.	01563	Grade	
Purity	99%	CAS No.	10102-25-7
Molecular Formula	Li2SO4.H2O	Molecular Weight	127.95
H.S.Code	2833.29900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	5 - 7 at 128 g/l at 25 °C	Density [g/cm3]	2.06	Solubility in water [% weight]	128 g/l at 20 °C

Specification

Appearance	White crystalline powder
Assay	Min 99%
Chloride (Cl)	Max 0.002%
Nitrate (NO3)	Max 0.001%
Insoluble matter	Max 0.01%
Heavy metal (as Pb)	Max 0.0005%
Iron (Fe)	Max 0.0005%
Calcium (Ca)	Max 0.005%
Sodium (Na)	Max 0.005%
Potassium (K)	Max 0.05%
Loss on dryig (at 150°C)	13 - 15%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302 Risk Statement: 22

LIVER EXTRACT POWDER

Product Code.	01566	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3001.20200	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light to dark brown	Solubility in water [% weight]	Soluble in water

Packaging

Specification

Appearance	A brown fine powder
Solubility	Soluble in water
pH (5% solution in water)	5.5 - 6.5
Loss on drying (at 105°C)	Max 5.0%
Total nitrogen (N)	Min 11.5%
Protein	Min 70.0%
Residue on ignition	Max 15.0%
Microbial limit:	-
Total aerobic count	Max 20000 CFU/g
Yeast and mould count	Max 100 CFU/g
E.coli.	Absent/5gm
Salmonella species	Absent/5gm
Pseudomonas	Nil/gm
Staphylococcus aureus	Absent/5gm

LYSOL (CRESOL AND SOAP SOLUTION) (DISINFECTANT)

Cresol & Soap Solution

Product Code.	01577	Grade	
Purity		CAS No.	12772-68-8
Molecular Formula		Molecular Weight	0.00
H.S.Code	3808.99900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	White

Packaging

Specification

Appearance	Brown colored solution
Weight/ mL at 20°C	About 1.03 g

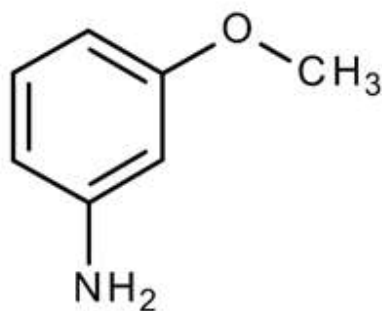
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H317-H412-H401-H315-H319 Precaution Statement: P261-P264-P270-P272-P273-P280-P301+P312-P302+P352-P305+P351+P338-P330

M-ANISIDINE 98% FOR SYNTHESIS

3-Aminoanisole, 3-Methoxyaniline

Product Code.	00275	Grade	
Purity	97%	CAS No.	536-90-3
Molecular Formula	C7H9NO	Molecular Weight	123.16
H.S.Code	2922.19900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Yellow to brown	Melting point/ Freezing point [°C]	- 1 °C
Boiling point [°C]	251 °C	Density [g/cm3]	1.096		

Packaging



Specification

Appearance	Clear yellow to brown liquid
Assay	Min 98%
Density (d20°C/4°C)	1.101 - 1.103

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 2431

IMCO Class No.: 6.1

Packing Group: III

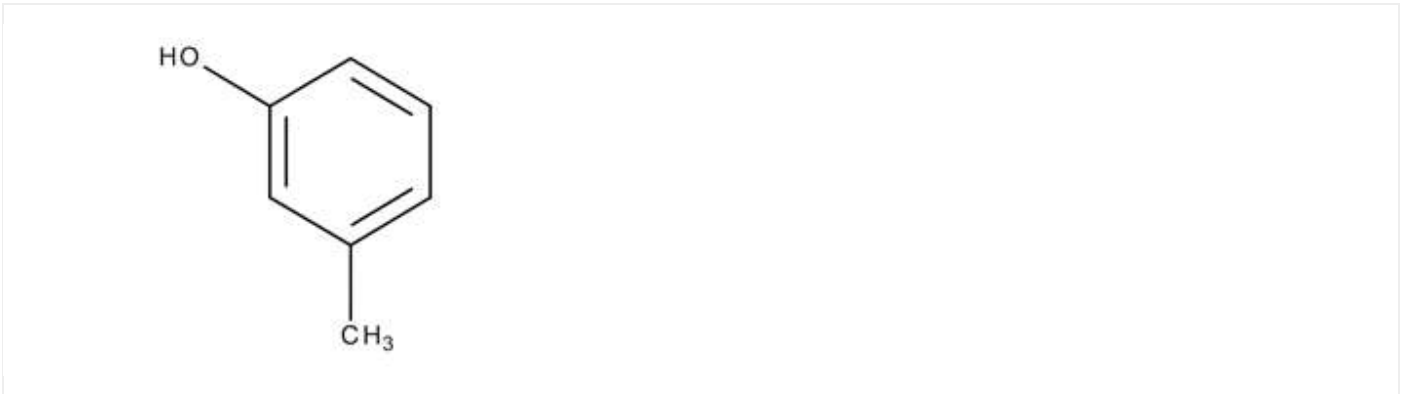
Hazardous Statement: H302-H315-H319-H335-H410

Precaution Statement: P261-P273-P305 + P351 + P338-P501

M-CRESOL 98% FOR SYNTHESIS

3-Methylphenol

Product Code.	00883	Grade	For Synthesis
Purity	98%	CAS No.	108-39-4
Molecular Formula	C7H8O	Molecular Weight	108.14
H.S.Code	2907.12900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to light yellow	Odour	Phenolic odor
Melting point/ Freezing point [°C]	8 - 10 °C	Auto-ignition temperature [°C]	1038°C	Flash point [°C]	86 °C
Boiling point [°C]	203 °C	Vapour pressure [20°C]	< 1 hPa at 20 °C	Vapour density	3.73
Density [g/cm3]	1.034	Solubility in water [% weight]	Soluble in water	Explosion limits - upper [%]	1.40%
Explosion limits -lower [%]	1.10%				

Packaging

Specification

Appearance	Clear Colorless to Light red viscous liquid
Assay	Min 98.0%
Density (d20°C/4°C)	1.033 - 1.034 g/ml
Melting point	11 °C

*** May darken on storage

-

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06

Signal Word: Danger

UN No.: 2076

IMCO Class No.: 6.1,8

Packing Group: II

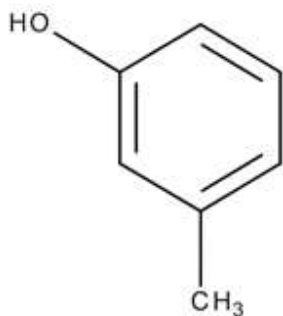
Hazardous Statement: H301-H311-H314

Precaution Statement: P280-P301 + P310-P305 + P351 + P338-P310

M-CRESOL 99% AR

3-Methylphenol

Product Code.	00884	Grade	AR
Purity	99%	CAS No.	108-39-4
Molecular Formula	C7H8O	Molecular Weight	108.14
H.S.Code	2907.12900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to light yellow	Odour	Phenolic odor
Melting point/ Freezing point [°C]	8 - 10 °C	Auto-ignition temperature [°C]	1038°C	Flash point [°C]	86 °C
Boiling point [°C]	203 °C	Vapour pressure [20°C]	< 1 hPa at 20 °C	Vapour density	3.73
Density [g/cm3]	1.034	Solubility in water [% weight]	Soluble in water	Explosion limits - upper [%]	1.40%
Explosion limits -lower [%]	1.10%				

Packaging



Specification

Appearance	Clear colorless to light red viscous to Light yellowish liquid

Assay	Min 99%
Density (d20°C/4°C)	1.033 - 1.034 g/ml
Melting point	11 °C

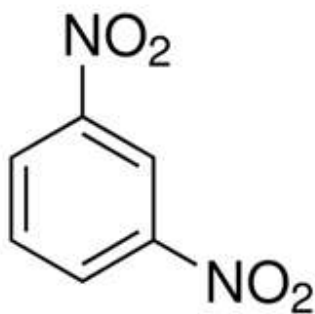
Safety Information and Hazard Symbols


Symbol: GHS05, GHS06 Signal Word: Danger UN No.: 2076 IMCO Class No.: 6.1,8 Packing Group: II Hazardous Statement: H301-H311-H314 Precaution Statement: P280-P301 + P310-P305 + P351 + P338-P310

M-DINITROBENZENE 98% FOR SYNTHESIS

1,3-Dinitrobenzene

Product Code.	01056	Grade	For Synthesis
Purity	98%	CAS No.	99-65-0
Molecular Formula	C6H4N2O4	Molecular Weight	168.11
H.S.Code	2904.20200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow or Faint orange	Melting point/ Freezing point [°C]	89 °C
Flash point [°C]	150 °C	Boiling point [°C]	291 °C	Density [g/cm3]	1.36
Solubility in water [% weight]	Slightly soluble in water				

Specification

Appearance	Yellow to Faint orange to Tan crystals, needles/flakes/crystalline powder
Assay	Min 98.0%
Melting point	87 - 90°C

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 3443

IMCO Class No.: 6.1

Packing Group: II

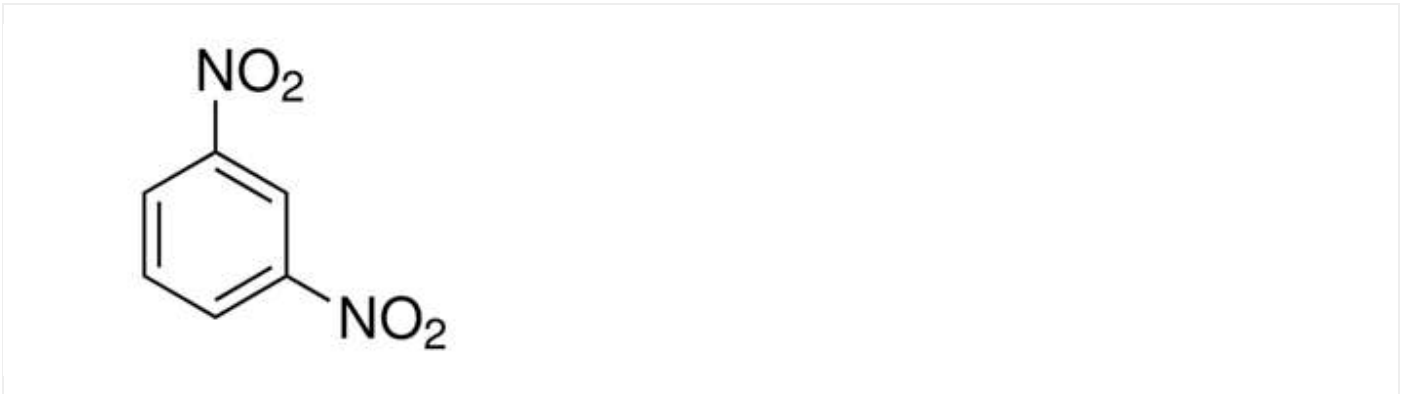
Hazardous Statement: H300-H310-H330-H373-H410

Precaution Statement: P260-P264-P273-P280-P284-P301 + P310

M-DINITROBENZENE 99% AR

1,3-Dinitrobenzene ; For Determination of 17 Ketosteroids

Product Code.	01057	Grade	AR
Purity	99%	CAS No.	99-65-0
Molecular Formula	C6H4N2O4	Molecular Weight	168.11
H.S.Code	2904.20200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow Crystals	Melting point/ Freezing point [°C]	89 °C
Flash point [°C]	150 °C	Boiling point [°C]	291 °C	Density [g/cm3]	1.36
Solubility in water [% weight]	Slightly soluble in water				

Packaging

Specification

Appearance	Yellow solids/ crystals/flakes/crystalline powder
Assay	Min 99.0%
Melting point	89 - 90°C
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 3443

IMCO Class No.: 6.1

Packing Group: II

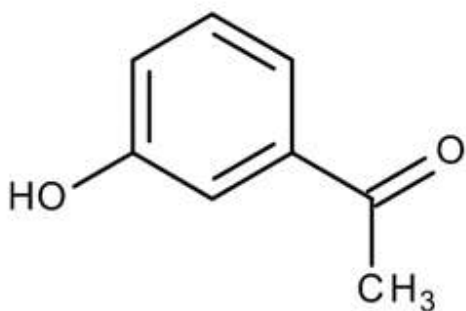
Hazardous Statement: H300-H310-H330-H373-H410

Precaution Statement: P260-P264-P273-P280-P284-P301 + P310

M-HYDROXY ACETOPHENONE 96% FOR SYNTHESIS

3-Hydroxyacetophenone

Product Code.	01403	Grade	
Purity	96%	CAS No.	121-71-1
Molecular Formula	C8H8O2	Molecular Weight	136.15
H.S.Code	2914.50000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish yellow	Melting point/ Freezing point [°C]	90 - 95 °C
Boiling point [°C]	296 °C	Density [g/cm3]	1.1 g/cm3 at 25 °C		

Packaging

Specification

Appearance	Brownish yellow crystalline powder
Assay	Min 96%
Melting point	90 - 95 deg C

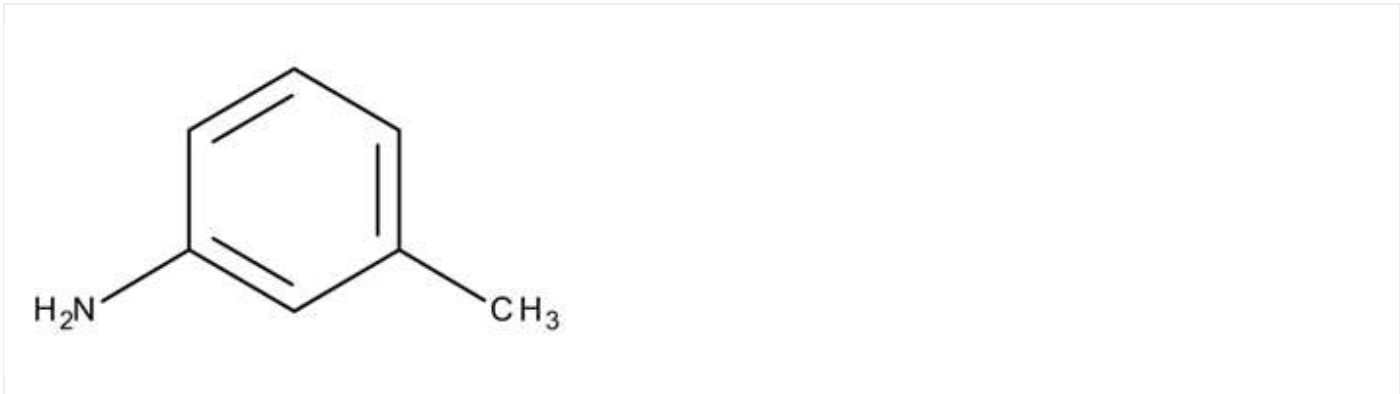
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

M-TOLUIDINE 99% FOR SYNTHESIS

3-Methylaniline, 3-Aminotoluene

Product Code.	02736	Grade	
Purity	99%	CAS No.	108-44-1
Molecular Formula	C7H9N	Molecular Weight	107.16
H.S.Code	2921.43400	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless to brownish	Auto-ignition temperature [°C]	482 °C
Flash point [°C]	86 °C	Boiling point [°C]	203 - 204 °C	Initial boiling point [°C]	203 °C
Final boiling point [°C]	204 °C	Vapour density	4.29	Density [g/cm3]	0.999
Explosion limits - upper [%]	6.60%	Explosion limits -lower [%]	1.10%		

Packaging

Specification

Appearance	*A clear colourless to brownish coloured liquid
Assay	Min 99%
Density (d20°C/4°C)	0.988 - 0.989
Refractive index (20°C; 589 nm)	1.5660 - 1.5680

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 1708

IMCO Class No.: 6.1

Packing Group: II

Hazardous Statement: H301-H311-H331-H373-H400

Precaution Statement: P261-P273-P280-P301 + P310-P311

MAGNESIUM CITRATE HYDRATE 98% EXTRAPURE

Confirming to USP Magnesium citrate tribasic hydrate ;(Mg): Min. 14.5-16.4%

Product Code.	01593	Grade	Extrapure
Purity	98%	CAS No.	3344-18-1
Molecular Formula	Mg3(C6H5O7)2.XH2O	Molecular Weight	451.11
H.S.Code	2918.15900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Odorless
pH value	6 - 7.5 at 0.61 g/l at 25 °C	Solubility in water [% weight]	Partially soluble in water		

Packaging

Specification

Appearance	White crystalline powder
Magnesium content (on dried basis)	14.5 - 16.4%
Identification as per USP	Passes test
pH (50 mg/mL)	5.0 - 9.0
Loss on drying (at 135°C;16 hrs)	Max 29.0%
Chloride (Cl)	Max 0.05%
Sulphate (SO4)	Max 0.2%
Arsenic (As)	Max 0.0003%
Heavy metal (as Pb)	Max 0.005%
Iron (Fe)	Max 0.02%
Calcium (Ca)	Max 1.0%
Organic volatile impurities (By GC)	To meet the requirment

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

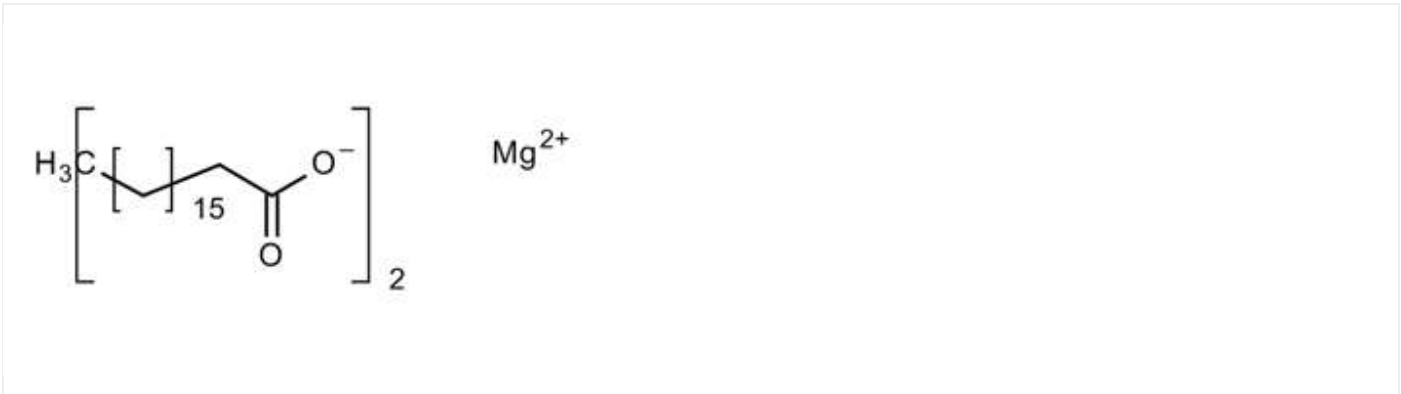
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

MAGNESIUM STEARATE PRECIPITATED EXTRAPURE (FINE POWDER)

Stearic acid magnesium salt ; precipitated

Product Code.	01602	Grade	Extrapure
Purity		CAS No.	557-04-0
Molecular Formula	C36H70MgO4	Molecular Weight	591.27
H.S.Code	2915.70900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	200 °C	Density [g/cm3]	1.028	Solubility in water [% weight]	Slightly soluble in water

Packaging

Specification

Appearance	Fine white or almost fine white powder
Assay (as Mg; on anhydrous basis)	3.8 - 5%
Loss on drying (at 105°C)	Max 6%
Heavy metal (as Pb)	Max 0.002%
Zinc stearate	Max 0.5%
Chloride (Cl)	Max 0.02%
Sulphate (SO4)	Max 0.3%

Acid number of precipitated fatty acid	195 - 210
Acidity or alkalinity	Max 1.0 ml N%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

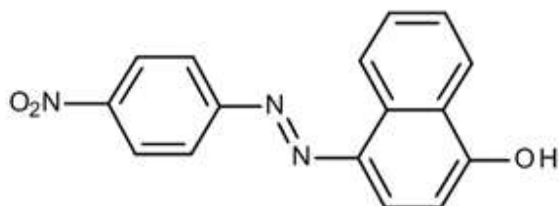
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

MAGNESON II AR

Reagent for Magnesium. 4-(4-Nitrophenylazo)-1-naphthol

Product Code.	01609	Grade	
Purity		CAS No.	5290-62-0
Molecular Formula	C16H11N3O3	Molecular Weight	293.28
H.S.Code	2927.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	Odour	Odorless
Melting point/ Freezing point [°C]	270 °C	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance	Red-brown powder
Sensitivity for Mg	1:25000
Absorptivity (A 1%/1 cm; at 572 nm; ethanol/NaOH on dried substance)	Min 1100
Loss on drying	Max 1%
Suitability (as metal indicator)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

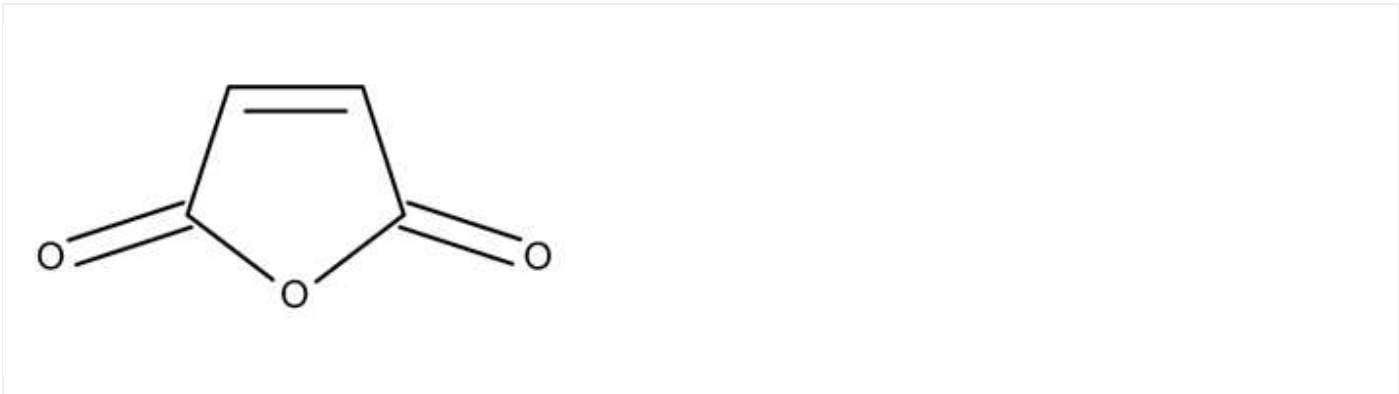
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

MALEIC ANHYDRIDE 99% EXTRAPURE

2,5-Furandione

Product Code.	01614	Grade	Extrapure
Purity	99%	CAS No.	108-31-6
Molecular Formula	C4H2O3	Molecular Weight	98.06
H.S.Code	2917.14000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystals	Odour	Sharp irritating acrid odor
Melting point/ Freezing point [°C]	53°C	Auto-ignition temperature [°C]	477°C	Flash point [°C]	102°C
Boiling point [°C]	202°C	Vapour pressure [20°C]	0.16 mm Hg @ 20°C	Vapour pressure mm/Hg	0.16 mm Hg @ 200C
Vapour density	3.38	Density [g/cm3]	1.48	Solubility in water [% weight]	16.3 g/100ml water @ 250C

Packaging

Specification

Appearance	Hard white tablets/crystals
Assay	Min 99%
Melting point	52 - 55 °C

Sulphated ash

Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS08

Signal Word: Danger

UN No.: 2215

IMCO Class No.: 8

Packing Group: III

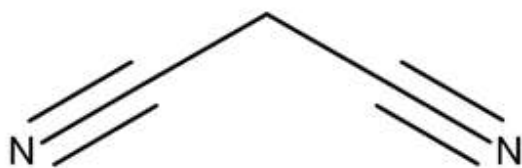
Hazardous Statement: H302-H314-H317-H334

Precaution Statement: P261-P280-P305 + P351 + P338-P310

MALONONITRILE 98% FOR SYNTHESIS

Malonic dinitrile

Product Code.	02921	Grade	For Synthesis
Purity	98%	CAS No.	109-77-3
Molecular Formula	C3H2N2	Molecular Weight	66.06
H.S.Code	2926.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish Crystals	Melting point/ Freezing point [°C]	30 - 32 °C
Auto-ignition temperature [°C]	365°C	Flash point [°C]	86 °C	Boiling point [°C]	220 °C
Density [g/cm3]	1.049	Solubility in water [% weight]	13.3 g/100mL (20°C)		

Specification

Appearance	White to yellow-brown low melting crystalline mass
Purity (by GC)	Min 98.0%
Melting point	30 - 34 °C

Safety Information and Hazard Symbols



Symbol: GHS06, GHS09

Signal Word: Danger

UN No.: 2647

IMCO Class No.: 6.1

Packing Group: II

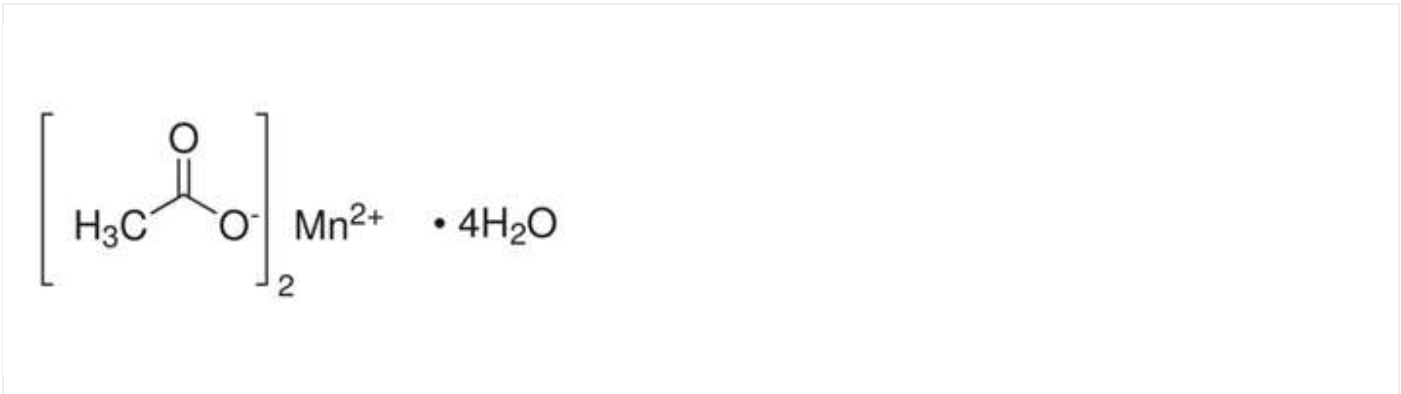
Hazardous Statement: H301-H311-H331-H410

Precaution Statement: P261-P273-P280-P301 + P310-P311-P501

MANGANESE (II) ACETATE TETRAHYDRATE 99% AR

Manganous acetate

Product Code.	01626	Grade	
Purity	98.5%	CAS No.	6156-78-1
Molecular Formula	(CH3COO)2Mn.4H2O	Molecular Weight	245.09
H.S.Code	2915.29300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pink crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	> 300 °C	Density [g/cm3]	1.589	Solubility in water [% weight]	Soluble in water

Packaging

Specification

Appearance	Slightly pink crystalline powder
Assay	Min 99%
Calcium (Ca)	Max 0.04%
Iron (Fe)	Max 0.001%
Magnesium (Mg)	Max 0.04%
Heavy metal (as Pb)	Max 0.001%
Chloride (Cl)	Max 0.005%

Sulphate (SO4)	Max 0.01%
Sodium (Na)	Max 0.01%
Zinc (Zn)	Max 0.005%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

MANGANESE NITRATE 45-50% SOLUTION IN DILUTE NITRIC ACID FOR SYNTHESIS

Solution in dilute Nitric Acid

Product Code.	01632	Grade	
Purity		CAS No.	10377-66-9
Molecular Formula	Mn(NO3)2	Molecular Weight	178.95
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Boiling point [°C]	100°C	Vapour pressure [20°C]	17.535 mm of Hg (@ 20°C)
Vapour pressure mm/Hg	17.535 mm of Hg (@ 20°C)	Vapour density	0.62	Density [g/cm3]	1.536

Packaging

Specification

Appearance	Pale reddish brown color liquid
Manganese nitrate	45 - 50 wt%
Nitric acid (HNO3)	Max 5%
Density (at 25°C)	1.536 g/ml

Safety Information and Hazard Symbols


Symbol: GHS03, GHS06 Signal Word: Danger UN No.: 3264 IMCO Class No.: 8 Packing Group: III Hazardous Statement: H272-H315-H319-H331 Precaution Statement: P220-P261-P305 + P351 + P338-P311

MEAT EXTRACT PASTE FOR BACTERIOLOGY

Product Code.	01642	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	1603.00100	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Brown paste	Solubility in water [% weight]	Soluble in water

Packaging

Specification

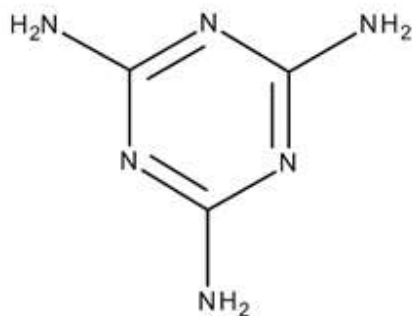
Appearance	Brownish colored paste
Solubility	Soluble in water
Moisture content	Max 35% w/w
pH (5% solution; R.T.)	5.5 - 6.5
Nitrogen content (as N)	Min 9.5% w/w
Sulphated ash	Min 5% w/w
Amino acid content	Min 5 ml of 0.1N Sodium Hydroxide is required

Safety Information and Hazard Symbols

MELAMINE EXTRAPURE

2,4,6-Triamino-1,3,5-triazine, sym-Triaminotriazine

Product Code.	01643	Grade	
Purity	99%	CAS No.	108-78-1
Molecular Formula	C3H6N6	Molecular Weight	126.12
H.S.Code	2933.61000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Flash point [°C]	93.3°C	Vapour density	4.34	Density [g/cm3]	1.573
Solubility in water [% weight]	Partially soluble in water	Partition coefficient Log Pow octanol / water at 20°C	-1.29		

Specification

Appearance	White powder
Acidity	Max 5 ml N%
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

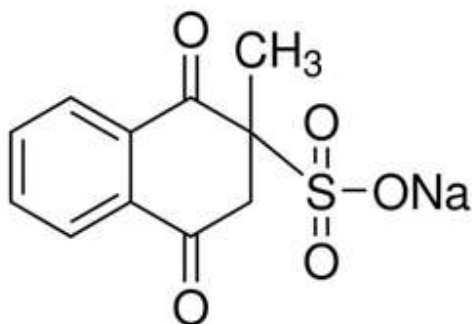
Hazardous Statement: H312-H317-H319

Precaution Statement: P280-P305 + P351 + P338

MENADIONE SODIUM BI-SULPHITE 95% FOR BIOCHEMISTRY

2-Methyl-1,4-naphthoquinone sodium bisulfite (vitamin K3 sodium bisulphite)

Product Code.	01646	Grade	
Purity	95%	CAS No.	130-37-0
Molecular Formula	C ₁₁ H ₈ O ₂ NaHSO ₃	Molecular Weight	276.20
H.S.Code	2936.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless to light yellow	Flash point [°C]	93.3°C
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	Colorless to light yellow powder
Assay	Min 95%

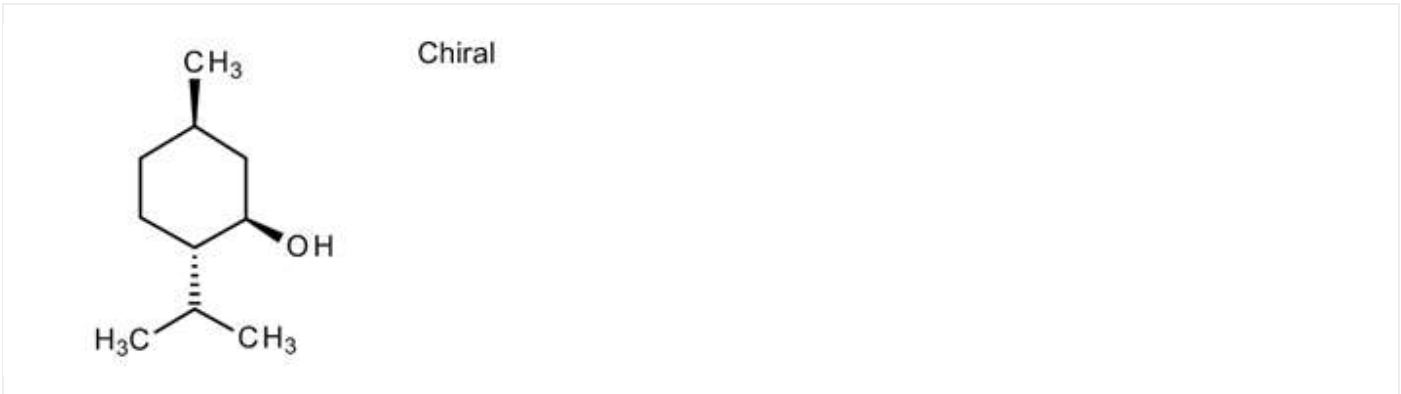
Safety Information and Hazard Symbols


Symbol: GHS07, GHS09 Signal Word: Warning Hazardous Statement: H315-H319-H410 Precaution Statement: P273-P305 + P351 + P338-P501

MENTHOL CRYSTALS 99% EXTRAPURE

(Confirms to IP, BP) 3-p-Menthanol; Hexahydrothymol; Menthomenthol; peppermint camphor

Product Code.	01648	Grade	
Purity	99%	CAS No.	2216-51-5
Molecular Formula	C10H20O	Molecular Weight	156.27
H.S.Code	2906.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Peppermint odor
Melting point/ Freezing point [°C]	34 - 36 °C	Flash point [°C]	93.4 °C	Boiling point [°C]	216 °C
Density [g/cm3]	0.89	Solubility in water [% weight]	Slightly soluble in water		

Packaging

Specification

Appearance	Colourless, hexagonal or needle-like crystals, or crystalline powder; odour, pleasant and characteristic
Assay (GC area %)	Min 99.0%
Identifications	To comply IP, BP tests
Solubility	Practically insoluble in water, very soluble in ethanol (96 per cent) and in light petroleum, freely soluble in fatty oils and in liquid paraffin, ver
Appearance of solution	To comply IP, BP tests

Melting point	about 43°C
Acidity or alkalinity	To comply the test
Specific optical rotation ([α] _{20/D})	-49.0° to -51.0°
Related Substances	To comply IP, BP tests
Residue on evaporation	Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

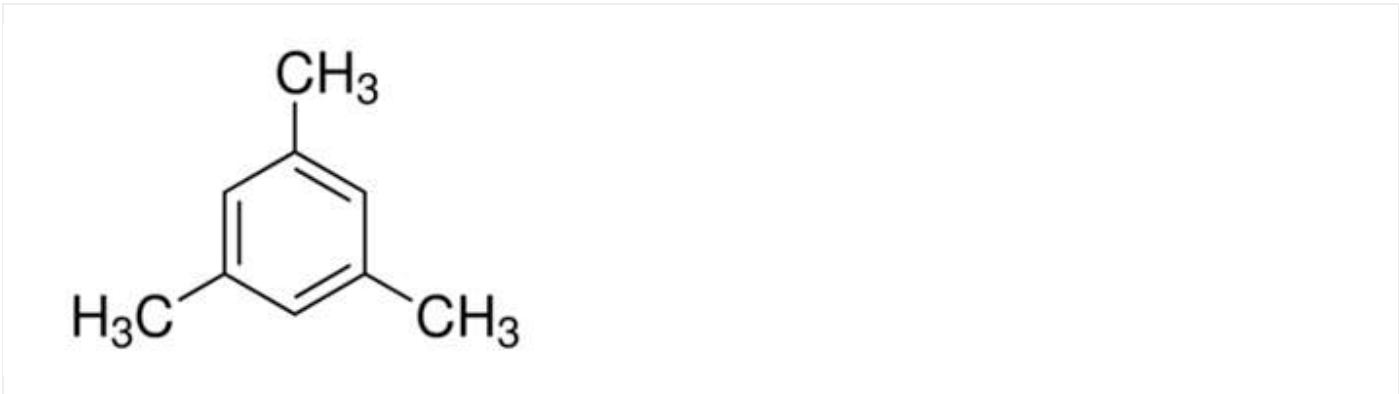
Hazardous Statement: H315-H319

Precaution Statement: P261-P280-P305 + P351 + P338

MESITYLENE 98% FOR SYNTHESIS

1,3,5-trimethyl benzene

Product Code.	01684	Grade	
Purity	98%	CAS No.	108-67-8
Molecular Formula	C6H3(CH3)3	Molecular Weight	120.19
H.S.Code	2902.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Characteristic odor
Melting point/ Freezing point [°C]	-45 °C	Auto-ignition temperature [°C]	550 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	53°C	Boiling point [°C]	163 - 166 °C	Initial boiling point [°C]	163°C
Final boiling point [°C]	166 °C	Vapour pressure [20°C]	1.86 @ 2°C	Vapour density	1.006
Density [g/cm3]	0.864	Solubility in water [% weight]	0.002% in water		

Packaging

Specification

Appearance	A clear colourless liquid
Assay (GC area %)	Min 98%
Density (d20°C/4°C)	0.864 - 0.866

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS09

Signal Word: Warning

UN No.: 2325

IMCO Class No.: 3

Packing Group: III

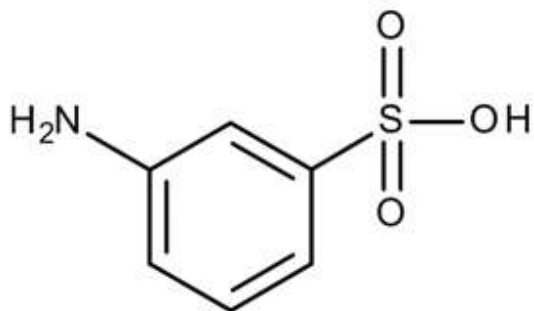
Hazardous Statement: H226-H335-H411

Precaution Statement: P261-P273

METANILIC ACID 98% EXTRAPURE

3-Aminobenzenesulphonic acid

Product Code.	01685	Grade	
Purity	97%	CAS No.	121-47-1
Molecular Formula	C6H7NO3S	Molecular Weight	173.19
H.S.Code	2921.42900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light grey crystalline	Melting point/ Freezing point [°C]	> 300 °C

Packaging

Specification

Appearance	Light grey powder
Assay (titration)	Min 97%

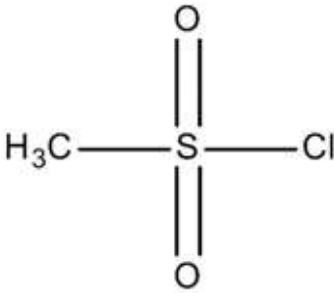
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H312-H332 Precaution Statement: P280

METHANESULPHONYL CHLORIDE 99% FOR SYNTHESIS

Mesyl blue, Methanesulphonic acid chloride

Product Code.	01692	Grade	For Synthesis
Purity	99%	CAS No.	124-63-0
Molecular Formula	CH3ClO2S	Molecular Weight	114.55
H.S.Code	2904.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to pale yellow	Flash point [°C]	113 °C
Boiling point [°C]	60 °C	Vapour pressure mm/Hg	12 mm Hg @ 530C	Vapour density	3.95
Density [g/cm3]	1.48	Solubility in water [% weight]	Moisture sensitive		

Packaging

Specification

Appearance	Clear colorless to pale yellow liquid
Assay	Min 99.0%
Weight/ mL at 25°C	1.478 +/- 0.05
Refractive index (20°C; 589 nm)	~1.4518
Water (by KF)	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06

Signal Word: Danger

UN No.: 3246

IMCO Class No.: 6.1,8

Packing Group: I

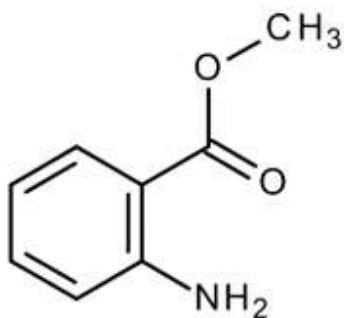
Hazardous Statement: H300-H310-H314-H330-H335

Precaution Statement: P260-P264-P280-P284-P301 + P310-P302 + P350

METHYL ANTHRANILATE 98% FOR SYNTHESIS

Methyl 2-aminobenzoate; Methyl anthranilate

Product Code.	01711	Grade	For Synthesis
Purity	98%	CAS No.	134-20-3
Molecular Formula	C8H9NO2	Molecular Weight	151.17
H.S.Code	2922.50120	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear yellow	Melting point/ Freezing point [°C]	24 °C
Flash point [°C]	100°C	Boiling point [°C]	256 °C	Vapour pressure [20°C]	1 hPa at 20 °C
Density [g/cm3]	1.168				

Specification

Appearance	A clear, yellow liquid
Purity (by GC)	Min 98.0%
Refractive index (20°C; 589 nm) 1	1.581-1.585

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

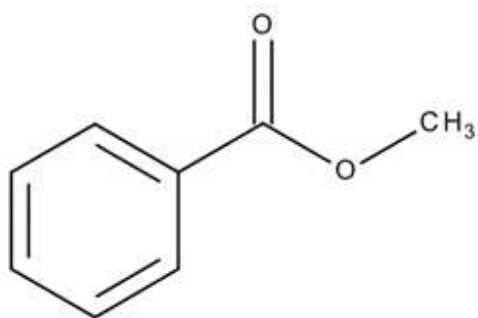
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

METHYL BENZOATE 99% FOR SYNTHESIS

Solvent for embedding.

Product Code.	01712	Grade	
Purity	98%	CAS No.	93-58-3
Molecular Formula	C ₈ H ₈ O ₂	Molecular Weight	136.15
H.S.Code	2916.31300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Pleasant odour
Melting point/ Freezing point [°C]	-12 °C	Flash point [°C]	83 °C	Boiling point [°C]	198 - 199 °C
Initial boiling point [°C]	198°C	Final boiling point [°C]	199 °C	Vapour pressure mm/Hg	0.38 mm Hg @ 250C
Vapour density	4.7	Density [g/cm ³]	1.088	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	2.1				

Packaging

Specification

Appearance	Almost clear colorless liquid
Assay	Min 99%
Weight/ mL at 20°C	1.085 - 1.087 g

Refractive index (20°C; 589 nm)	1.516 - 1.518
Acidity	Max 1 ml N%
Water (H2O)	Max 0.5%

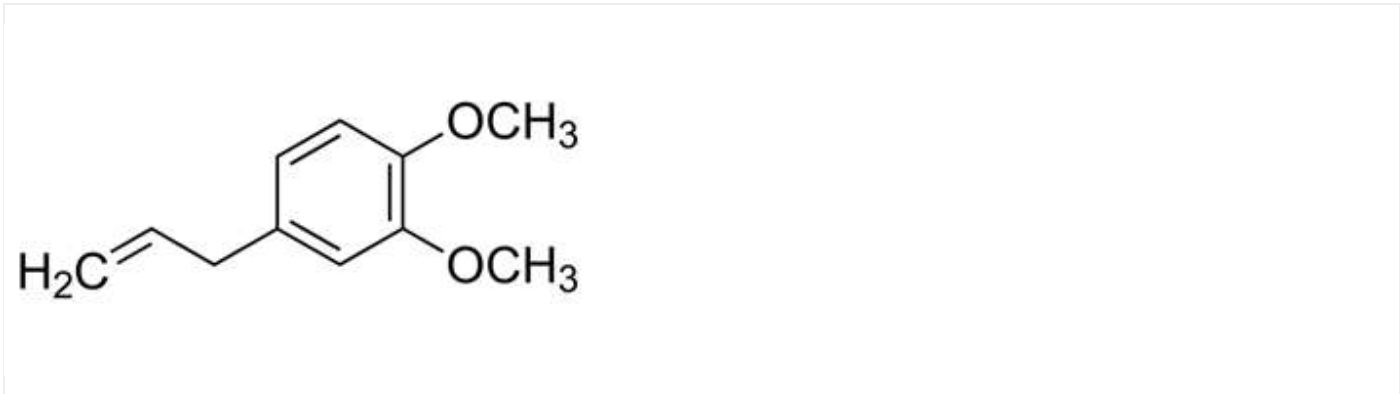
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

METHYL EUGENOL 98% FOR SYNTHESIS

4-Allyl-1,2-dimethoxybenzene; Eugenol methyl ether; Eugenyl methyl ether

Product Code.	01727	Grade	
Purity	98%	CAS No.	93-15-2
Molecular Formula	C11H14O2	Molecular Weight	178.23
H.S.Code	2909.30900	Shelf Life	60 Months



Physical Properties

Packaging

Specification

Appearance	Colourless to Pale Yellow Liquid
Assay (by GC)	Min 98%
Specific gravity (at 25°C)	1.032 – 1.036
Refractive index (25°C; 589 nm)	1.5320 – 1.5370

Safety Information and Hazard Symbols

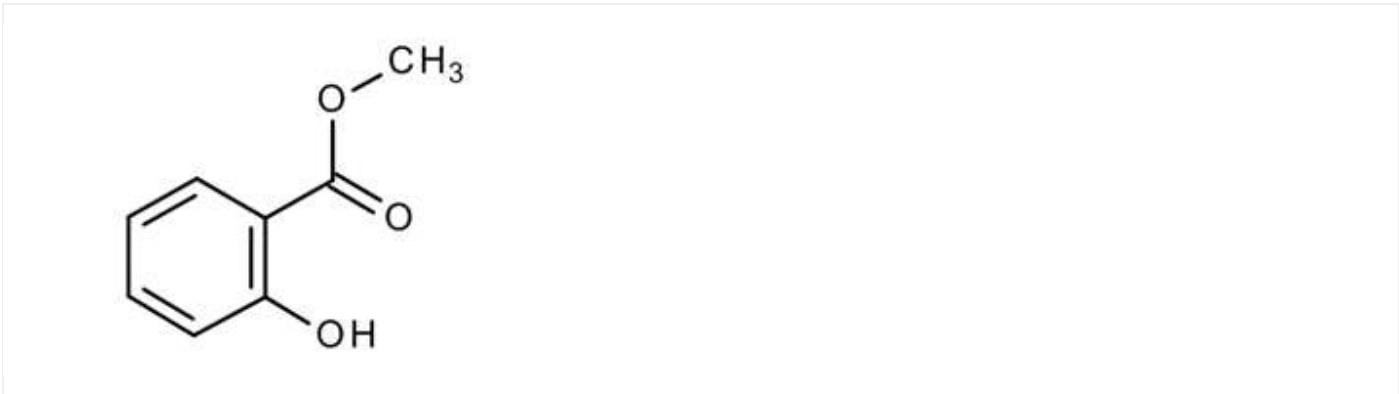


Symbol: GHS07, GHS08
Signal Word: Warning
Hazardous Statement: H302-H315-H319-H335-H351
Precaution Statement: P261-P281-P305 + P351 + P338

METHYL SALICYLATE 99% FOR SYNTHESIS

Confirms to BP, NF Wintergreen oil synthetic

Product Code.	01746	Grade	
Purity	99%	CAS No.	119-36-8
Molecular Formula	C8H8O3	Molecular Weight	152.15
H.S.Code	2918.23100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Characteristic odour
Melting point/ Freezing point [°C]	-8 - -7 °C	Auto-ignition temperature [°C]	453 °C	Flash point [°C]	96 °C
Boiling point [°C]	222 °C	Vapour pressure mm/Hg	1 mm Hg at 54 °C	Vapour density	5.25
Density [g/cm3]	1.174	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.55

Packaging

Specification

Appearance	A clear colorless/almost colourless liquid
Assay	99 - 100%
Solubility in ethanol	Passes test
Optical rotation at 25°C	Inactive
Density (d20°C/4°C)	1.180 - 1.185

Refractive index (20°C; 589 nm)	1.535 - 1.538
Substance with an acidic reaction (as salicylic acid)	Max 0.1%
Heavy metal (as Pb)	Max 0.002%
Methanol (GC,area %)	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

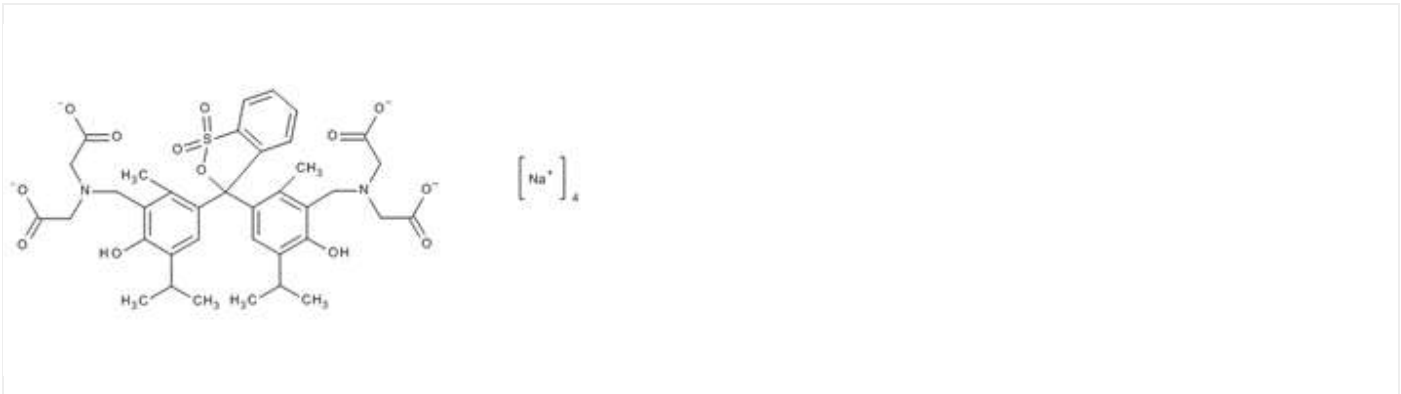
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

METHYL THYMOL BLUE COMPLEXONE

Indicator for complexometric titration & metal titration.; methyl thymol blue sodium salt

Product Code.	01748	Grade	
Purity	70%	CAS No.	1945-77-3
Molecular Formula	C37H40N2Na4O13S	Molecular Weight	844.76
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless

Packaging

Specification

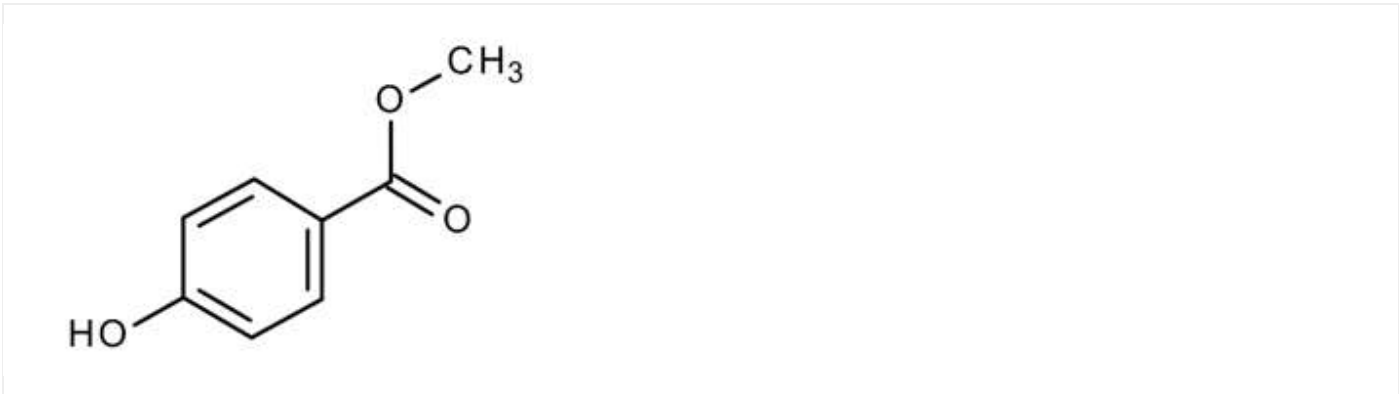
Appearance	Dark green to brown to black powder
Solubility (0.1% in water)	Clear solution
Absorption maxima in water	435 - 443 nm
Absorptivity (A 1%/1cm; at lmax; in water)	Min 120
Loss on dryig (at 110°C)	Max 10%
Suitability (as metal indicator)	Passes test

Safety Information and Hazard Symbols

METHYL-P-HYDROXYBENZOATE 99% EXTRAPURE

(methyl-p-hydroxy benzoate); (nipagin M)

Product Code.	01737	Grade	Extrapure
Purity	99%	CAS No.	99-76-3
Molecular Formula	C8H8O3	Molecular Weight	152.15
H.S.Code	2918.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	125 - 128 °C	Boiling point [°C]	270 - 280°C	Initial boiling point [°C]	270°C
Final boiling point [°C]	280°C	Density [g/cm3]	1.36	Solubility in water [% weight]	Slightly soluble in water

Packaging

Specification

Appearance	White or almost white, crystalline powder or colourless crystals
Assay	99 - 101%
Melting point	125 - 128°C
Free acid	Max. 5 ml N%
Sulphated ash	Max. 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

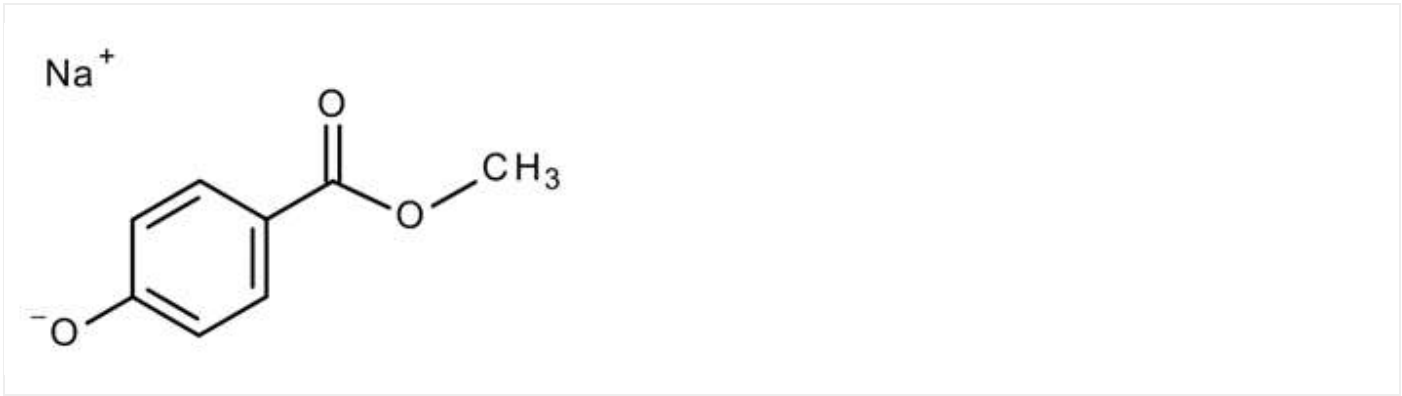
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

METHYL-P-HYDROXYBENZOATE SODIUM SALT 99% EXTRAPURE

Methylis parahydroxybenzoas natricum; Sodium methyl 4-hydroxybenzoate; methyl-p-hydroxy benzoate sodium salt

Product Code.	02905	Grade	
Purity	97.5%	CAS No.	5026-62-0
Molecular Formula	C8H7NaO3	Molecular Weight	174.13
H.S.Code	2918.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	pH value	9 - 10
Melting point/ Freezing point [°C]	125°C	Solubility in water [% weight]	333 g/L (20°C)		

Specification

Appearance	White crystalline powder
Assay (on anhydrous basis)	99 - 102%
pH (0.1% solution)	9.5 - 10.5
Chloride (Cl)	Max 0.033%
Sulphate (SO4)	Max 0.12%
Water (H2O)	Max 5.0%

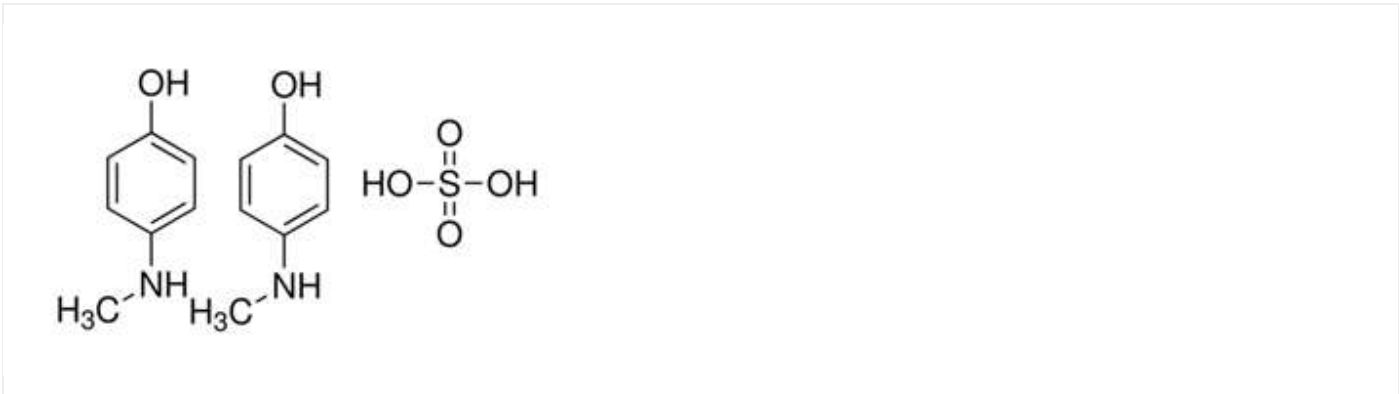
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

METOL 99% ACS FOR PHOTOGRAPHIC PURPOSE

4-Methylaminophenol sulphate ;p-methylaminophenol sulphate

Product Code.	01751	Grade	
Purity	99%	CAS No.	55-55-0
Molecular Formula	C14H20N2O6S	Molecular Weight	344.39
H.S.Code	2922.29310	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	260 °C	Auto-ignition temperature [°C]	532 °C	Flash point [°C]	256°C
Density [g/cm3]	> 1.0	Solubility in water [% weight]	4g/100g water @ 250C		

Packaging

Specification

Appearance	White to almost white crystalline powder
Assay	99 - 101.5%
Insoluble matter in HCl	Passes test
2-Aminophenol	Passes test
Sensitivity for phosphate	Passes test
Sulphated ash	Max 0.1%

Iron (Fe)

Max 0.002%

Lead (Pb)

Max 0.002%

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08, GHS09 Signal Word: Warning UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H317-H373-H410 Precaution Statement: P273-P280-P501

MOLECULAR SIEVES 13 X 1.5 MM

Sodium aluminium silicate 3 mm diameter cylindrical pellets/ Granular.

Product Code.	01758	Grade	
Purity		CAS No.	1318-02-01
Molecular Formula		Molecular Weight	0.00
H.S.Code	3824.99150	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish needles	Odour	Odorless
pH value	10	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	Creamish noodle shaped granules
Nominal pore diameter	10 Angstrom
Equilibrium H2O capacity	About 26.5%
Bulk density	43 lb/cu ft.

Safety Information and Hazard Symbols

MOLECULAR SIEVES 3AX1.5 MM

Cylindrical pellets / Granular Most versatile selective and universally applicable adsorbents. A complexing and stabilizing agent. Also for analytical separations.

Product Code.	01755	Grade	
Purity		CAS No.	1318-02-01
Molecular Formula		Molecular Weight	0.00
H.S.Code	3824.99150	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish needles	Odour	Odorless
Density [g/cm3]	2.1	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	Brownish needles
Equilibrium H2O capacity	About 22%
Water content (as shipped)	Max 1.5%

Safety Information and Hazard Symbols

MOLECULAR SIEVES 5A X 1.5 MM

Sodium aluminium silicate 3 mm diameter cylindrical pellets/ Granular

Product Code.	01757	Grade	
Purity		CAS No.	1318-02-01
Molecular Formula		Molecular Weight	0.00
H.S.Code	3824.99150	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish needles	Odour	Odorless
Melting point/ Freezing point [°C]	2572°C	Density [g/cm3]	3.22	Solubility in water [% weight]	Insoluble in water

Packaging

Specification

Appearance	Creamish noodles shaped granules
Bulk density	43 lb/cu ft.
Heat adsorption	Max 1800 btu/lb H2O
Equilibrium H2O capacity	About 21.5%
Nominal pore diameter	5 Angstrom

Safety Information and Hazard Symbols

MOLYBDENUM DISULPHIDE POWDER 98%

Molybdenum(IV) sulfide

Product Code.	01761	Grade	
Purity	98%	CAS No.	1317-33-5
Molecular Formula	MoS2	Molecular Weight	160.06
H.S.Code	2830.90100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Melting point/ Freezing point [°C]	2375 °C
Vapour density	5.51	Density [g/cm3]	5.06	Solubility in water [% weight]	Insoluble in water

Packaging

Specification

Appearance	Black colored heavy powder
Assay (as MoS2)	Min 98%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H332

MORIN DIHYDRATE 96% AR

Reagent for Al, Be, Sn, Tl, Z. 2',3,4',5,7-Pentahydroxyflavone

Product Code.	01768	Grade	
Purity	96%	CAS No.	6472-38-4
Molecular Formula	C15H10O7.2H2O	Molecular Weight	338.27
H.S.Code	2932.99000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Brown powder	Odour	Odorless
Melting point/ Freezing point [°C]	299 - 300 °C	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	Yellow to brown powder
Assay	Min 96%
Suitability (for determination of aluminium)	Passes test

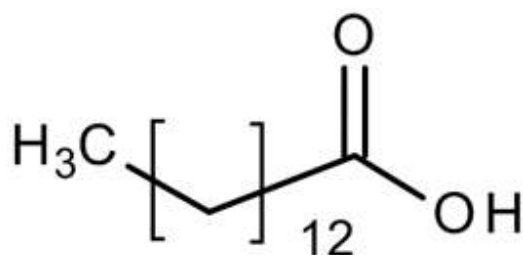
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

MYRISTIC ACID 98% EXTRAPURE

1-Tridecanecarboxylic acid; C14:0; Tetradecanoic acid

Product Code.	01774	Grade	Extrapure
Purity	98%	CAS No.	544-63-8
Molecular Formula	C14H28O2	Molecular Weight	228.38
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White scales	Odour	Odorless
Auto-ignition temperature [°C]	393°C	Flash point [°C]	166°C	Density [g/cm3]	0.8
Solubility in water [% weight]	Insoluble in water				

Specification

Appearance	White powder or Crystals or flakes
Assay	Min 98.0%
Melting range	53 -56 °C

Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319 Precaution Statement: P305 + P351 + P338

MYRISTIC ACID,99%

Product Code.	1774B	Grade	
Purity	99%	CAS No.	544-63-8
Molecular Formula	C14H28O2	Molecular Weight	228.37
H.S.Code	2915.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Solid	White scales	Odour	Odorless
Auto-ignition temperature [°C]	393°C	Flash point [°C]	166°C	Density [g/cm3]	0.8
Solubility in water [% weight]	Insoluble in water				

Packaging

Specification

Appearance (Color)	White
Appearance (Form)	Powder or flakes or chunks or crystalline mass
Infrared spectrum	Conforms
Titration with NaOH	>=98.5 %
GC	>=98.5 %
Melting point	50°C to 57°C

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319 Precaution Statement: P305 + P351 + P338

N, N' DICYCLOHEXYLCARBODIMIDE 99% FOR SYNTHESIS

Product Code.	00979	Grade	For Synthesis
Purity	99%	CAS No.	538-75-0
Molecular Formula	C13H22N2	Molecular Weight	206.33
H.S.Code	29251900.00000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellowish	Odour	Sweet odour
Melting point/ Freezing point [°C]	34 - 35 °C	Flash point [°C]	113 °C	Boiling point [°C]	122 - 124 °C
Initial boiling point [°C]	122°C	Final boiling point [°C]	124 °C	Solubility in water [% weight]	Insoluble

Packaging



Specification

Appearance	White to light yellow crystalline mass or waxy solid
Assay	Min 99.0%
Melting range	32 - 35 °C

Safety Information and Hazard Symbols

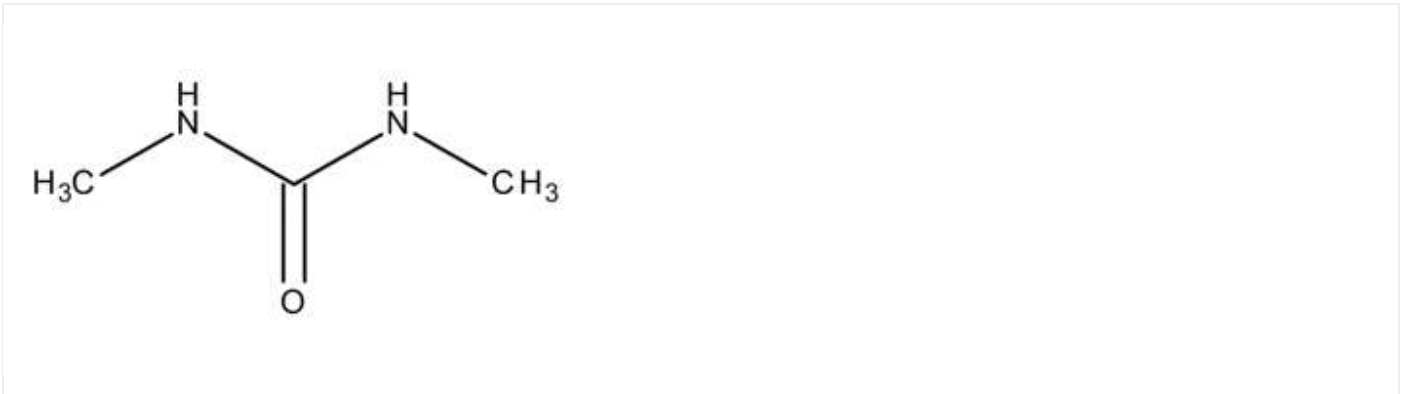


Symbol: GHS05, GHS06
Signal Word: Danger
UN No.: 2811
IMCO Class No.: 6.1
Packing Group: II
Hazardous Statement: H302-H311-H317-H318
Precaution Statement: P280-P305 + P351 + P338-P312

N, N-DIMETHYLUREA 95% FOR SYNTHESIS

1,3-Dimethylurea

Product Code.	01051	Grade	
Purity	98%	CAS No.	96-31-1
Molecular Formula	C3H8N2O	Molecular Weight	88.11
H.S.Code	2924.21200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	pH value	9 - 9.5
Melting point/ Freezing point [°C]	103 - 106 °C	Flash point [°C]	157 °C	Boiling point [°C]	268 - 270 °C
Initial boiling point [°C]	268°C	Final boiling point [°C]	270 °C	Partition coefficient Log Pow octanol / water at 20°C	-0.783

Packaging

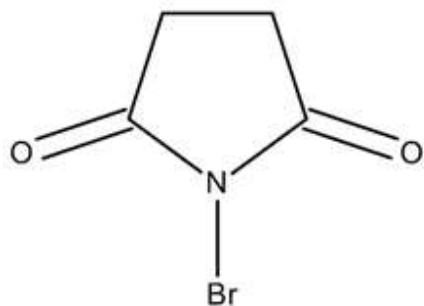
Specification

Appearance	White crystalline powder
Assay (by HClO4 titration)	Min 98%
Melting range	101 - 104 deg C

Safety Information and Hazard Symbols

N-BROMOSUCCINIMIDE 98% EXTRAPURE NBS

Product Code.	00514	Grade	
Purity	98%	CAS No.	128-08-5
Molecular Formula	C4H4BrNO2	Molecular Weight	177.99
H.S.Code	2925.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to light yellow	Odour	Faint odor of bromine
Melting point/ Freezing point [°C]	175 - 180 °C	Vapour density	6.1	Density [g/cm3]	2.098
Solubility in water [% weight]	1.47 gm / 100 gm water				

Packaging



Specification

Appearance	White / Light yellow crystalline powder
Assay (iodometric)	Min 98%
Melting point	175 - 180 deg C

Sulphated ash

Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

UN No.: 3261

IMCO Class No.: 8

Packing Group: III

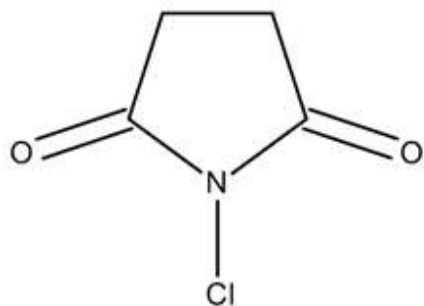
Hazardous Statement: H302-H314

Precaution Statement: P280-P305 + P351 + P338-P310

N-CHLOROSUCCINIMIDE 98% FOR SYNTHESIS

1-Chloro-2,5-pyrrolidinedione; Succinochlorimide; NCS

Product Code.	00785	Grade	For Synthesis
Purity	98%	CAS No.	128-09-6
Molecular Formula	C4H4ClNO2	Molecular Weight	133.53
H.S.Code	2925.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Chlorine like
Melting point/ Freezing point [°C]	148 - 150 °C	Boiling point [°C]	216.5°C	Density [g/cm3]	1.65
Solubility in water [% weight]	Partially soluble in water				

Packaging

Specification

Appearance	A white crystalline powder
Assay	Min 98.0%
Melting range	145 - 150 C

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

UN No.: 3261

IMCO Class No.: 8

Packing Group: II

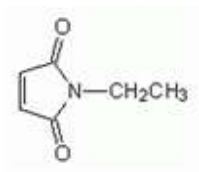
Hazardous Statement: H302-H314

Precaution Statement: P280-P305 + P351 + P338-P310

N-ETHYL MALEIMIDE 99% (NEM) FOR SYNTHESIS

NEM

Product Code.	01184	Grade	For Synthesis
Purity	99%	CAS No.	128-53-0
Molecular Formula	C6H7NO2	Molecular Weight	125.13
H.S.Code	2925.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to light yellow crystals/crystalline powder	Melting point/ Freezing point [°C]	43 - 46 °C
Flash point [°C]	73 °C	Boiling point [°C]	210 °C		

Packaging

Specification

Appearance	White to light yellow crystals/crystalline powder
Assay	Min 99.0%
Melting point	42 - 45°C
Sulphated ash	Max 0.05%
Solubility (5% in methanol)	Colorless to faint yellow clear to slight hazy solution

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06

Signal Word: Danger

UN No.: 2928

IMCO Class No.: 6.1

Packing Group: II

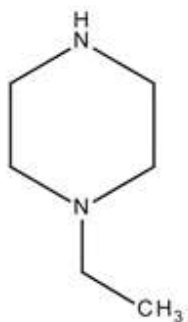
Hazardous Statement: H300-H311-H314-H317

Precaution Statement: P264-P280-P301 + P310-P305 + P351 + P338-P310

N-ETHYL PIPERAZINE (FOR SYNTHESIS)

1-Ethylpiperazine

Product Code.	01192	Grade	
Purity	98%	CAS No.	5308-25-8
Molecular Formula	C6H14N2	Molecular Weight	114.19
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-60°C
Auto-ignition temperature [°C]	320 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	47°C
Boiling point [°C]	157°C	Density [g/cm3]	0.895	Solubility in water [% weight]	Miscible in water

Specification

Appearance	Clear, pale yellow liquid
Assay (GC area %)	Min 99%
Density (d20°C/4°C)	0.898 - 0.903

Safety Information and Hazard Symbols

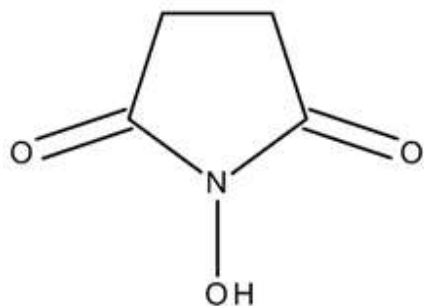


Symbol: GHS02, GHS07
Signal Word: Warning
UN No.: 1993
IMCO Class No.: 3
Packing Group: III
Hazardous Statement: H226-H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

N-HYDROXY SUCCINIMIDE 99% FOR SYNTHESIS

Reagent for peptide synthesis. 1-Hydroxy-2,5-pyrrolidinedione; HOSu; NHS ; (Store at 2 – 8oC)

Product Code.	01424	Grade	
Purity	98%	CAS No.	6066-82-6
Molecular Formula	C4H5NO3	Molecular Weight	115.09
H.S.Code	2925.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystals	Odour	Odorless
Melting point/ Freezing point [°C]	95 - 98 °C				

Packaging



Specification

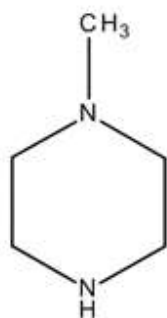
Appearance	White crystals
Assay (titration)	Min 99%
Identity (IR)	Passes test

Safety Information and Hazard Symbols

N-METHYL PIPERAZINE 99% FOR SYNTHESIS

N-METHYL PIPERAZINE 99% For Synthesis

Product Code.	01739	Grade	For Synthesis
Purity	99%	CAS No.	109-01-3
Molecular Formula	C5H12N2	Molecular Weight	100.16
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ammonia odour
pH value	11 - 12	Melting point/ Freezing point [°C]	-6°C	Auto-ignition temperature [°C]	320°C
Flash point [°C]	39 °C	Boiling point [°C]	138 °C	Vapour pressure [20°C]	0.9 kPa @ 20°C
Vapour density	3.46	Density [g/cm3]	0.9	Solubility in water [% weight]	Soluble in water
Explosion limits - upper [%]	9.90%	Explosion limits -lower [%]	1.20%		

Packaging

Specification

Appearance	A clear colourless liquid
Purity (by GC)	Min. 99%
Density (d20°C/4°C)	0.901 - 0.903

Water (H₂O)

Max. 0.3%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS06

Signal Word: Danger

UN No.: 2734

IMCO Class No.: 8,3

Packing Group: II

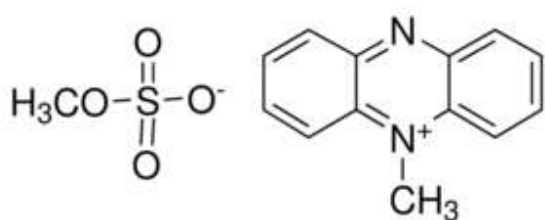
Hazardous Statement: H226-H312-H314-H331

Precaution Statement: P261-P280-P305 + P351 + P338-P310

N-METHYLPHENAZONIUM METHOSULPHATE 90% (FOR MOLECULAR BIOLOGY)

For enzymatic determination of ethanol and for assay of tyrosine transaminase electron coupling agent. 5-Methylphenazinium methyl sulfate; N-Methylphenazonium methyl sulfate; PMS phenazine methosulphate

Product Code.	01738	Grade	
Purity	90%	CAS No.	299-11-6
Molecular Formula	C ₁₄ H ₁₄ N ₂ O ₄ S	Molecular Weight	306.34
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	158 - 160 °C	Solubility in water [% weight]	100 g/l at 20 °C		

Specification

Appearance	Dark yellow to brown or khaki crystalline powder
Assay (UV)	Min 90%
Heavy metal (as Pb)	Max 0.001%

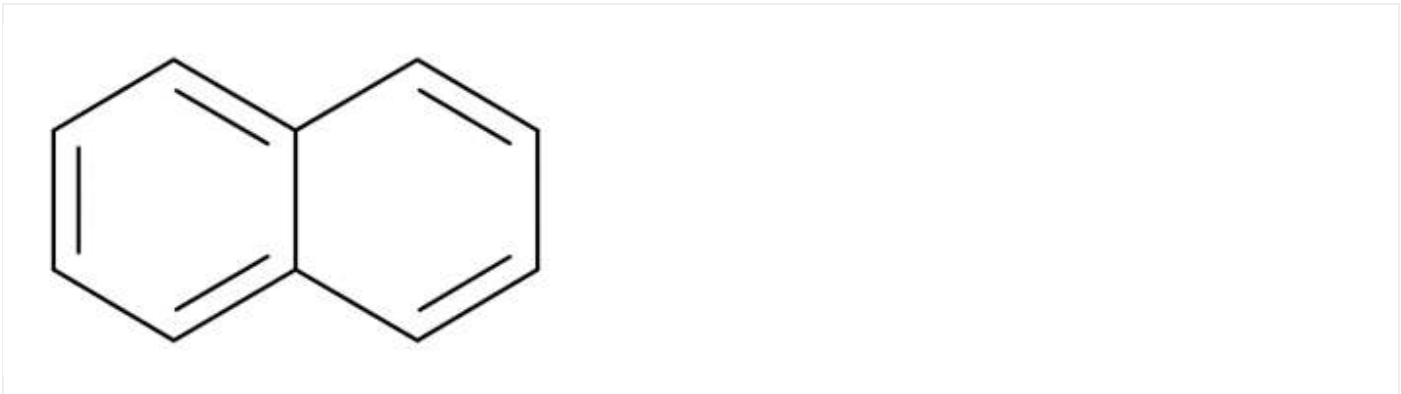
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

NAPHTHALENE 99% AR

White tar; Naphthalin; Camphor tar

Product Code.	01776	Grade	AR
Purity	99.0%	CAS No.	91-20-3
Molecular Formula	C10H8	Molecular Weight	128.17
H.S.Code	2902.90400	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White scales	Melting point/ Freezing point [°C]	77°C
Flash point [°C]	80°C	Boiling point [°C]	218°C	Vapour pressure [20°C]	0.03 hPa at 20°C
Vapour density	4.4	Density [g/cm3]	1.2	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	3.3	Explosion limits - upper [%]	5.90%	Explosion limits -lower [%]	0.90%

Packaging

Specification

Appearance	White to almost white scales / crystalline powder/flakes.
Purity (by GC)	Min 99.0%
Melting range	79.5 - 81°C

Safety Information and Hazard Symbols



Symbol: GHS02,GHS07, GHS08, GHS09

Signal Word: Warning

UN No.: 1334

IMCO Class No.: 4.1

Packing Group: III

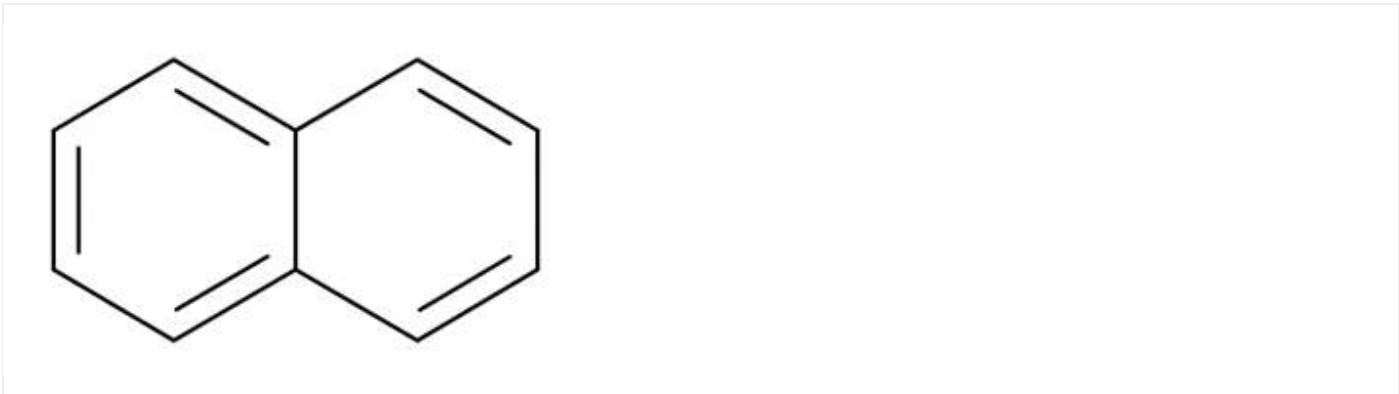
Hazardous Statement: H302-H351-H410

Precaution Statement: P273-P281-P501

NAPHTHALENE 99% FOR SYNTHESIS

White tar; Naphthalin; Camphor tar

Product Code.	01775	Grade	For Synthesis
Purity	99%	CAS No.	91-20-3
Molecular Formula	C10H8	Molecular Weight	128.17
H.S.Code	2902.90400	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White scales	Melting point/ Freezing point [°C]	77°C
Flash point [°C]	80°C	Boiling point [°C]	218°C	Vapour pressure [20°C]	0.03 hPa at 20°C
Vapour density	4.4	Density [g/cm3]	1.2	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	3.3	Explosion limits - upper [%]	5.90%	Explosion limits -lower [%]	0.90%

Packaging

Specification

Appearance	White scales
Purity (by GC)	Min. 99.0%
Melting range	79 - 81 °C

Safety Information and Hazard Symbols



Symbol: GHS02,GHS07, GHS08, GHS09

Signal Word: Warning

UN No.: 1334

IMCO Class No.: 4.1

Packing Group: III

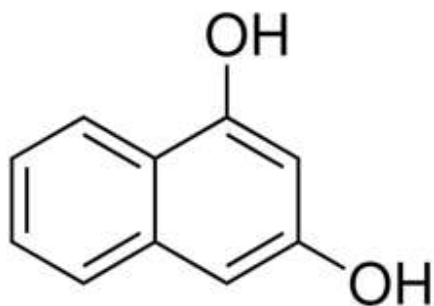
Hazardous Statement: H302-H351-H410

Precaution Statement: P273-P281-P501

NAPHTHORESORCINOL 98% AR

Reagent for sugars, oils, and for glucuronic acid in urine test. 1,3-Dihydroxy naphthalene

Product Code.	01785	Grade	AR
Purity	98%	CAS No.	132-86-5
Molecular Formula	C10H8O2	Molecular Weight	160.17
H.S.Code	2907.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish	Odour	Odorless
Melting point/ Freezing point [°C]	123 - 125 °C	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	Pinkish brown crystalline powder or Blackish Brown Coloured powder.
Assay	Min 98%
Infrared spectrum	Conforms
Melting range	123 - 126°C
Water (H2O)	Max 0.5%

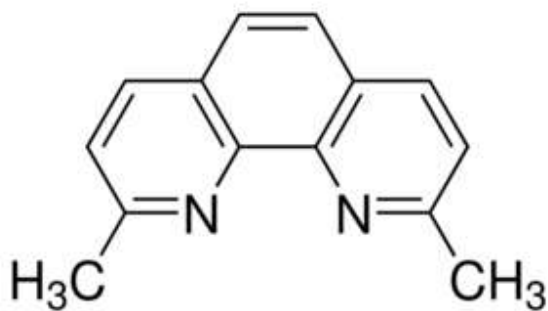
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

NEOCUPROINE 99% AR

Reagent for colorimetric determination of copper. 2,9-Dimethyl-1,10-phenanthroline; DMPHEN

Product Code.	01794	Grade	
Purity	99%	CAS No.	484-11-7
Molecular Formula	C ₁₄ H ₁₂ N ₂	Molecular Weight	208.27
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	159 °C
Solubility in water [% weight]	Insoluble in water				

Specification

Appearance	White to off white to Beige crystalline powder/powder
Assay	Min 99%
Sulphated ash	Max 0.1%
Melting point	161 - 163 deg C
Sensitivity for Cu and Blank	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

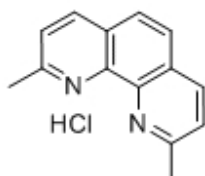
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

NEOCUPROINE HYDROCHLORIDE 99% AR

Neocuproine use as colorimetric indicators for many transition metals. 2,9 Dimethyl-1-10-phenanthroline hydrochloride

Product Code.	01795	Grade	
Purity	99%	CAS No.	41066-08-4
Molecular Formula	C14H13ClN2	Molecular Weight	244.73
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellow	Melting point/ Freezing point [°C]	250 °C

Packaging

Specification

Appearance	White to yellow with a tan cast powder
Assay	Min 99%
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

NEOMYCIN SULPHATE FOR BACTERIOLOGY

Keep in refrigerator

Product Code.	01797	Grade	For Bacteriology
Purity		CAS No.	1405-10-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	2941.90500	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Cream coloured powder	Odour	Odorless

Packaging

Specification

Appearance	Cream color powder
Activity	670 IU/mg
pH (5% solution)	5 - 8
Specific optical rotation ([α] _D ²⁰ ; 10% in water)	+53 to +59°

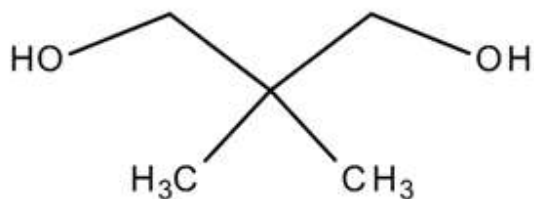
Safety Information and Hazard Symbols


Symbol: GHS08 Signal Word: Danger Hazardous Statement: H317-H334 Precaution Statement: P261-P280-P342 + P311

NEOPENTYL GLYCOL 98% FOR SYNTHESIS

2,2-Dimethyl-1,3-propanediol

Product Code.	01798	Grade	
Purity	98%	CAS No.	126-30-7
Molecular Formula	C5H12O2	Molecular Weight	104.15
H.S.Code	2905.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White flakes	Odour	Sweet odour
Melting point/ Freezing point [°C]	124 - 130 °C	Auto-ignition temperature [°C]	399 °C	Flash point [°C]	103 °C
Vapour pressure [20°C]	< 1.1 hPa at 20 °C	Solubility in water [% weight]	830 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	-0.15
Explosion limits - upper [%]	18.80%	Explosion limits -lower [%]	1.37%		

Packaging

Specification

Appearance	White moist crystalline powder
Assay	Min 98%
Melting range	125 - 128 deg C
Water (H2O)	Max 0.3%

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: Danger

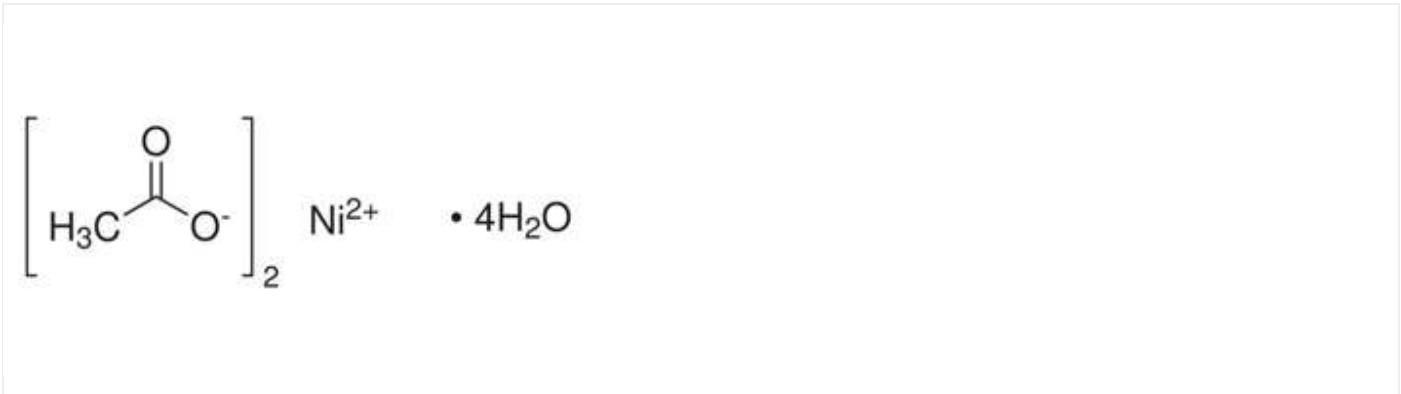
Hazardous Statement: H318

Precaution Statement: P280-P305 + P351 + P338

NICKEL ACETATE TETRAHYDRATE 98% EXTRAPURE

Nickel(II) acetate tetrahydrate; Acetic acid nickel(II) salt

Product Code.	01809	Grade	
Purity	98%	CAS No.	6018-89-9
Molecular Formula	(CH3.COO)2Ni.4H2O	Molecular Weight	248.84
H.S.Code	2915.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Green crystalline	Odour	Acetic acid odour
Density [g/cm3]	1.798	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Green crystalline powder
Assay (ex Ni)	Min 98%
Insoluble matter in water	Max 0.025%
Chloride (Cl)	Max 0.01%
Sulphate (SO4)	Max 0.05%
Iron (Fe)	Max 0.02%
Lead (Pb)	Max 0.005%

Zinc (Zn)

Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

Hazardous Statement: H302-H317-H332-H334-H341-H350i-H360-H372-H410

Precaution Statement: P201-P261-P273-P280-P308 + P313-P501

NICKEL ALUMINIUM ALLOY POWDER 50%

For the production of Raney Nickel.

Product Code.	01810	Grade	
Purity	50% (Ex Ni), 50% (Ex Al)	CAS No.	12635-27-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	7502.20300	Shelf Life	60 Months

Physical Properties

Packaging

Specification

Appearance	A grayish black fine powder
Assay (ex Ni)	~50%
Assay (ex Al)	~50%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08
Signal Word: Danger
UN No.: 3089
IMCO Class No.: 4.1
Packing Group: II
Hazardous Statement: H228-H317-H351
Precaution Statement: P210-P280

NICKEL SULPHAMATE SOLUTION

Product Code.	01819	Grade	
Purity		CAS No.	13770-89-3
Molecular Formula	Ni(SO3NH2)2	Molecular Weight	250.87
H.S.Code	2842.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Green solution	pH value	4.45
Density [g/cm3]	1.45	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Green colored solution
Assay (as Ni; complexometric)	11 - 11.2%
Ammonium (NH4)	Max 0.01%
Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.1%

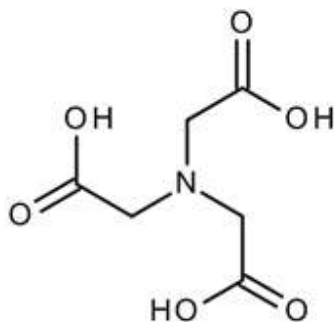
Safety Information and Hazard Symbols


Symbol: GHS05 Signal Word: Danger UN No.: 1760 IMCO Class No.: 8 Packing Group: II Risk Statement: 45-23k Safety Statement: 53-44

NITRILOTRIACETIC ACID 99%

Complexometric indicator and reagent. N,N-Bis(carboxymethyl)glycine; NTA;
Tris(carboxymethyl)amine

Product Code.	01843	Grade	
Purity	99%	CAS No.	139-13-9
Molecular Formula	C6H9NO6	Molecular Weight	191.14
H.S.Code	2922.49900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	1.7 - 2.7 at 10 g/l at 23 °C	Melting point/ Freezing point [°C]	245 °C	Flash point [°C]	100 °C
Solubility in water [% weight]	Slightly soluble in water				

Specification

Appearance	White powder
Assay (ex COOH)	Min 99%

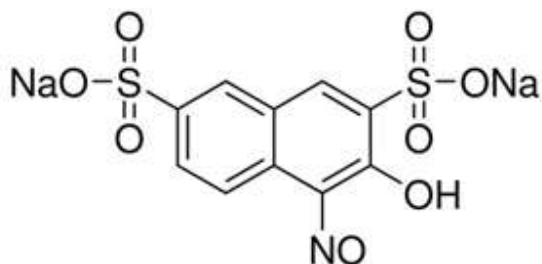
Safety Information and Hazard Symbols

Symbol: GHS07, GHS08 Signal Word: Warning Hazardous Statement: H302-H319-H351 Precaution Statement: P281-P305 + P351 + P338

NITROSO-R-SALT AR

3-Hydroxy-4-nitroso-2,7-naphthalenedisulfonic acid disodium salt; 1-Nitroso-2-naphthol-3,6-disulfonic acid disodium salt

Product Code.	01873	Grade	AR
Purity		CAS No.	525-05-3
Molecular Formula	C10H5O8NS2Na2	Molecular Weight	377.30
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow powder	Odour	Slight odour
Melting point/ Freezing point [°C]	>300°C	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	Yellow orange powder
Loss on drying	Max 1%
Suitability (for determination of cobalt)	Passes test
Sensitivity for cobalt	1:1000000

Safety Information and Hazard Symbols



Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302-H312-H332
Precaution Statement: P280

NONIDET P40

Nonyl phenyl polyethylene glycol

Product Code.	01877	Grade	
Purity		CAS No.	9016-45-9
Molecular Formula		Molecular Weight	0.00
H.S.Code	3402.13000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colourless	Odour	Characteristic odour
pH value	6 at 10 g/l	Melting point/ Freezing point [°C]	57 - 58 °C	Flash point [°C]	113 °C
Density [g/cm3]	1.06	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Clear Liquid
Colour scale	Max 50 APHA
pH (5% solution in water)	5.0 - 8.0
Moisture (w/w)	Max 0.2%

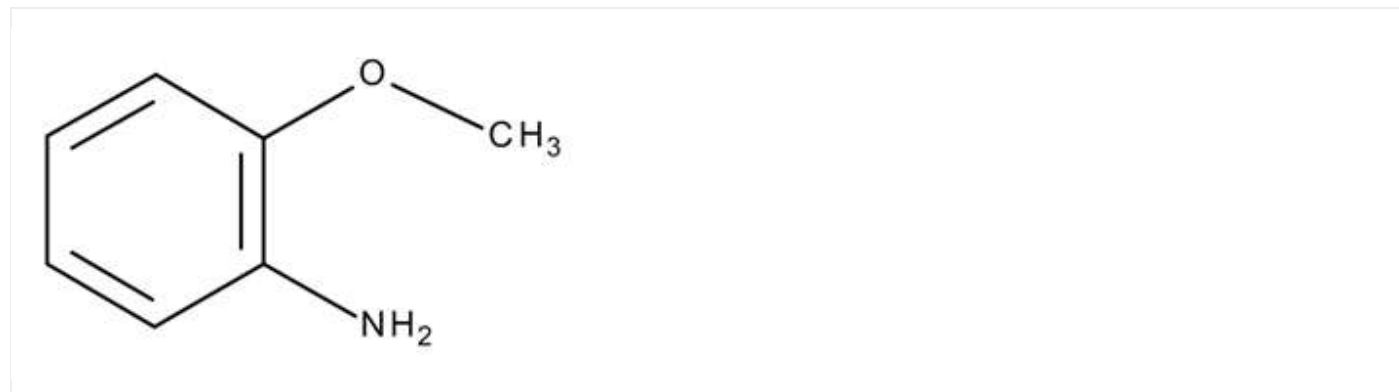
Safety Information and Hazard Symbols


Symbol: GHS09 Signal Word: Warning UN No.: 3082 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H318-H335-H400 Precaution Statement: P261-P273-P280-P305 + P351 + P338

O-ANISIDINE 98% FOR SYNTHESIS

2-Aminoanisole, 2-Methoxyaniline

Product Code.	00276	Grade	
Purity	98%	CAS No.	90-04-0
Molecular Formula	C7H9NO	Molecular Weight	123.16
H.S.Code	2922.29900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	yellowish - reddish	Odour	Amine like
Melting point/ Freezing point [°C]	3 - 6 °C	Decomposition point [°C]	<300°C	Auto-ignition temperature [°C]	415°C
Flammability (solid, gas)	Flammable	Flash point [°C]	107 °C	Boiling point [°C]	225 °C
Vapour pressure [20°C]	0.975 mm Hg at 20 °C	Vapour density	4.25	Density [g/cm3]	1.092
Solubility in water [% weight]	Practically insoluble				

Packaging



Specification

Appearance	Clear yellow to brown liquid

Assay	Min 98%
Density (at 25°C)	1.091-1.093

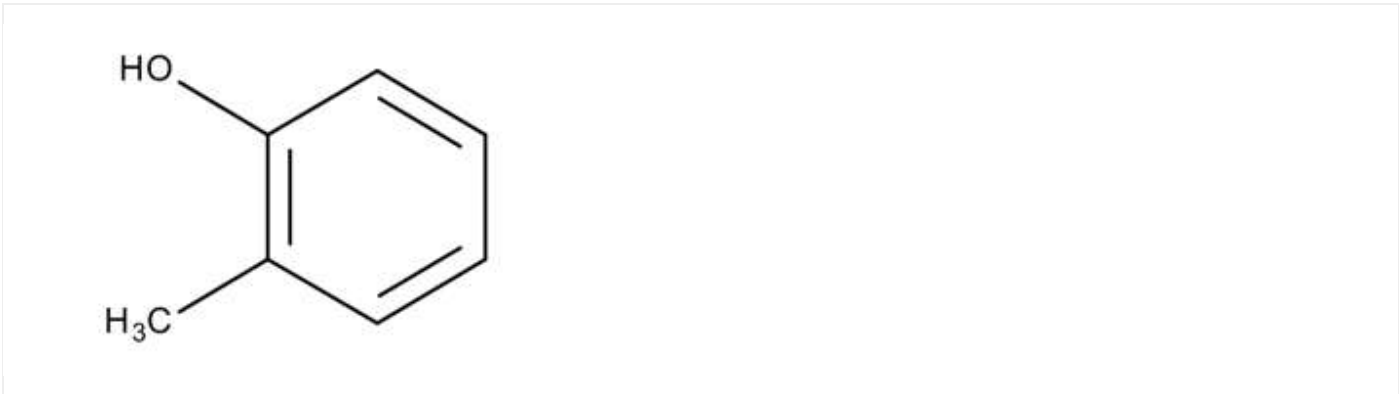
Safety Information and Hazard Symbols


Symbol: GHS06, GHS08 Signal Word: Danger UN No.: 2431 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301-H311-H331-H341-H350 Precaution Statement: P201-P261-P280-P301 + P310-P311

O-CRESOL 98% FOR SYNTHESIS

2-Methylphenol

Product Code.	00885	Grade	For Synthesis
Purity	98%	CAS No.	95-48-7
Molecular Formula	C7H8O	Molecular Weight	108.14
H.S.Code	2907.12900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Phenolic like
Odour threshold	5 ppm	pH value	4,5 at 25,00000 g/l	Melting point/ Freezing point [°C]	30 - 34 °C
Critical temperature [°C]	424°C	Auto-ignition temperature [°C]	598.89°C	Flash point [°C]	81°C
Boiling point [°C]	191.5°C	Vapour pressure [20°C]	0.4 hPa at 20°C	Vapour density	3.72
Density [g/cm3]	1.047	Solubility in water [% weight]	Partially soluble in cold water		

Packaging

Specification

Appearance	Colorless to light yellow to amber, low melting solid or liquid
Purity (by GC)	Min 98.0%
Infrared spectrum	Conforms
Melting point	29 - 33°C

Water (by KF)

Max 0.2%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06

Signal Word: Danger

UN No.: 3455

IMCO Class No.: 6.1

Packing Group: II

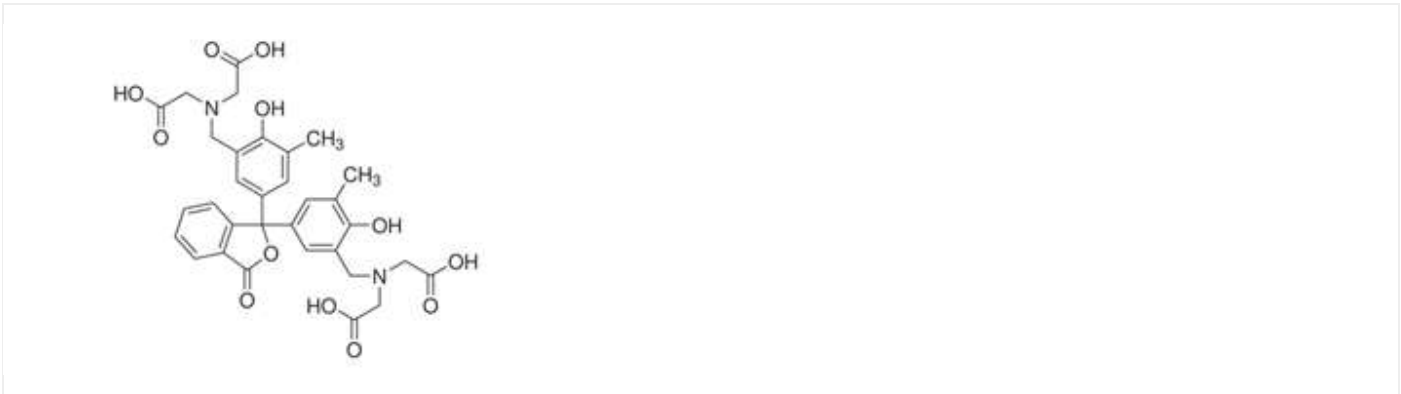
Hazardous Statement: H301-H311-H314

Precaution Statement: P280-P301 + P310-P305 + P351 + P338-P310

O-CRESOLPHTHALEIN COMPLEXONE (PHTHALEIN PURPLE)

8 Reagent for the automated determination of calcium in serum indicator for complexometric titration of Mg, Ca, Ba, Sr and SO4. o-Cresolphthalein-3',3''-bis-methyleneiminodiacetic acid; o-Cresolphthalexon; Metal phthalein; Phthalein purple; Xylenylphthalein-bisiminodiacetic acid

Product Code.	00888	Grade	
Purity		CAS No.	2411-89-4
Molecular Formula	C32H32N2O12	Molecular Weight	636.61
H.S.Code	2933.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown	Melting point/ Freezing point [°C]	219 - 221 °C

Packaging

Specification

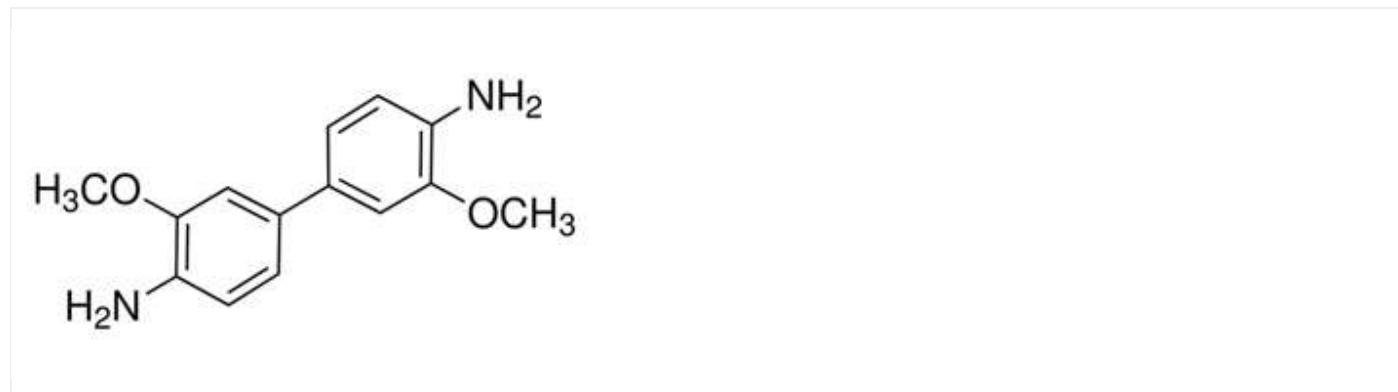
Appearance	Off-white to pink beige powder
Absorption maxima in 0.1mol/L NaOH	573 - 579 nm
Absorptivity (1%/1cm; at I _{max} ; 0.005g/L 0.1 M NaOH solution)	Min 750
Water (by KF)	Max 10%
Suitability (as indicator)	Passes test

Safety Information and Hazard Symbols

O-DIANISIDINE 99% EXTRAPURE

Used as a peroxide stain for haemoglobin and heptoglobin complexes. 3,3'-Dimethoxybenzidine

Product Code.	00948	Grade	
Purity	99%	CAS No.	119-90-4
Molecular Formula	C ₁₄ H ₁₆ N ₂ O ₂	Molecular Weight	244.30
H.S.Code	2922.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Violet powder	Melting point/ Freezing point [°C]	137 - 138 °C
Flash point [°C]	206 °C	Density [g/cm ³]	1.091		

Specification

Appearance	Violet powder
Assay	Min 99%
Melting point	136 - 138 deg C
Ash content	Max 0.5%

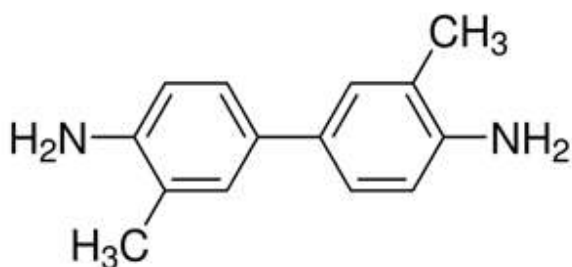
Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger Hazardous Statement: H302-H350 Precaution Statement: P201-P308 + P313

O-TOLIDINE 98% AR

Reagent for the halogens and gold. 3,3'-Dimethylbenzidine; 4,4'-Bianisidine

Product Code.	02719	Grade	AR
Purity	98%	CAS No.	119-93-7
Molecular Formula	C ₁₄ H ₁₆ N ₂	Molecular Weight	212.30
H.S.Code	2921.43300	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to light brown	Odour	Amine like
Melting point/ Freezing point [°C]	128 - 131 °C	Auto-ignition temperature [°C]	480°C	Flash point [°C]	100 °C
Boiling point [°C]	200 °C	Vapour pressure [20°C]	0.2 mbar @ 20°C	Vapour density	3.7
Density [g/cm ³]	1.004	Solubility in water [% weight]	Slightly soluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.34
Explosion limits - upper [%]	7.50%	Explosion limits -lower [%]	1.50%		

Packaging



Specification

Appearance	White to light brown crystalline powder

Assay	Min 98.0%
Melting point	129 - 131°C
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

Hazardous Statement: H302-H350-H411

Precaution Statement: P201-P273-P308 + P313

O-TOLIDINE DIHYDROCHLORIDE 99%

Product Code.	2720A	Grade	
Purity		CAS No.	612-82-8
Molecular Formula	C14H16N2.2HCL	Molecular Weight	285.20
H.S.Code	0.00000	Shelf Life	60 Months

Physical Properties

Packaging

Specification

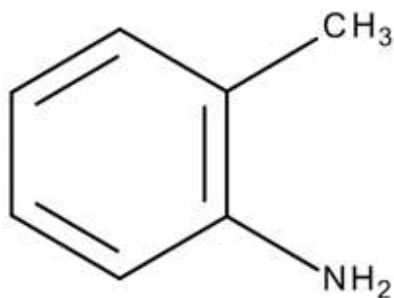
Appearance (Color)	Light beige to light grey
Appearance (Form)	Crystalline powder
Infrared spectrum	Conforms
Titration Argentometric	>=98.5 % (on dry substance)
Water	=<5 % (K.F.)

Safety Information and Hazard Symbols

O-TOLUIDINE 99.5% AR

For determination of blood glucose. 2-Aminotoluene; 2-Methylaniline

Product Code.	02738	Grade	
Purity	99%	CAS No.	95-53-4
Molecular Formula	C7H9N	Molecular Weight	107.16
H.S.Code	2921.43300	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless to yellow	Odour	Amine like
Melting point/ Freezing point [°C]	-23°C	Auto-ignition temperature [°C]	480°C	Flash point [°C]	85 °C
Boiling point [°C]	199 - 200°C	Initial boiling point [°C]	199°C	Final boiling point [°C]	200°C
Vapour pressure [20°C]	0.2 mbar @ 20°C	Vapour density	3.7	Density [g/cm3]	1.004
Solubility in water [% weight]	1.5 g/100mL (25°C)				

Packaging

Specification

Appearance	Clear yellow to orange to light brown liquid
Assay	Min 99%
p-Toluidine & m-Toluidine	Max 0.4%
Chloride (Cl)	Max 0.0005%

Heavy metal (as Pb)	Max 0.0001%
Iron (Fe)	Max 0.0001%
Water (H2O)	Max 0.1%
Sulphated ash	Max 0.005%

Safety Information and Hazard Symbols


Symbol: GHS06, GHS08, GHS09 Signal Word: Danger UN No.: 1708 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H301-H319-H331-H350-H400 Precaution Statement: P201-P261-P273-P301 + P310-P305 + P351 + P338-P311

OSMIC ACID SOLUTION 2% W/V FOR MICROSCOPY

Store at 2 - 8 deg C.

Product Code.	01899	Grade	For Microscopy
Purity		CAS No.	20816-12-0
Molecular Formula		Molecular Weight	0.00
H.S.Code	2843.90200	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to pale yellow	Odour	Sharp chlorine like odor
pH value	6 - 7	Boiling point [°C]	100 °C	Solubility in water [% weight]	5g OsO4/100 ml

Packaging

Specification

Appearance	A pale yellow coloured clear solution
Suitability (for staining)	Passes test

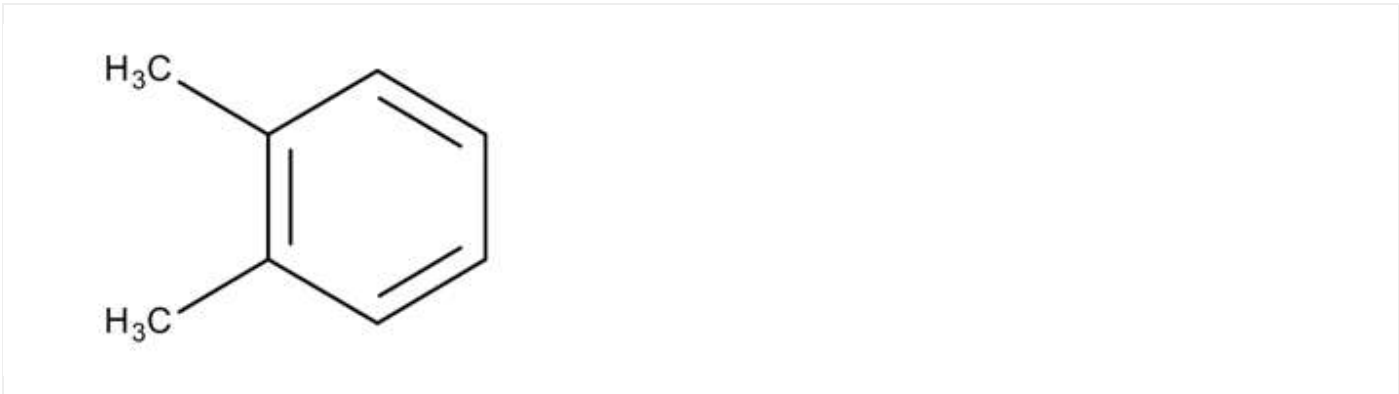
Safety Information and Hazard Symbols


Symbol: GHS05, GHS06, GHS08 Signal Word: Danger UN No.: 3287 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H301-H312-H315-H318-H330-H334 Precaution Statement: P260-P280-P284-P301 + P310-P305 + P351 + P338-P310

O-XYLENE 98% FOR SYNTHESIS

1,2-Dimethylbenzene

Product Code.	02850	Grade	For Synthesis
Purity	98%	CAS No.	95-47-6
Molecular Formula	C8H10	Molecular Weight	106.17
H.S.Code	2902.41000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Characteristic odour
Auto-ignition temperature [°C]	464 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	31 °C
Boiling point [°C]	143 - 145 °C	Initial boiling point [°C]	143 °C	Final boiling point [°C]	145 °C
Evaporation rate	1	Vapour pressure [20°C]	7 mm Hg @ 20 °C	Vapour pressure mm/Hg	7 mm Hg @ 20C
Vapour density	3.7	Density [g/cm3]	0.88	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	3.12	Explosion limits - upper [%]	6.70%	Explosion limits -lower [%]	0.90%

Packaging

Specification

Appearance	Clear colorless liquid
Assay	Min 98%

Weight/ mL at 20°C	0.860 - 0.880 g
Refractive index (20°C; 589 nm)	~1.5054

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Warning

UN No.: 1307

IMCO Class No.: 3

Packing Group: III

Hazardous Statement: H226-H312-H315-H332

Precaution Statement: P280

OX-GALL POWDER BACTERIOLOGICAL GRADE

Used as a selectively inhibitory agent in bile media Store below 25°C.

Product Code.	01908	Grade	
Purity		CAS No.	8008-63-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	510.00200	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown	Odour	Peptone like
Melting point/ Freezing point [°C]	198 °C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Light brown colored powder
Assay (as cholic acid; on anhydrous basis)	Min 45%
Loss on drying	Max 5%
pH (2% solution in water)	5 - 7
Sulphated ash	Max 15%
Suitability for microbiology	Passes test

Safety Information and Hazard Symbols

OXONE EXTRAPURE

Potassium peroxymono sulfate; Potassium hydrogen monopersulfate; PMPS; KMPS

Product Code.	01909	Grade	
Purity		CAS No.	70693-62-8
Molecular Formula	KHSO5·0.5KHSO4·0.5K2SO4	Molecular Weight	307.38
H.S.Code	2833.40000	Shelf Life	36 Months

Physical Properties

Packaging

Specification

Appearance	White powder
Identity (IR)	Passes test
Solubility (100 mg/mL in water)	Clear Colorless
Active oxygen (titration by Na2S2O3)	Min 4.0%
Assay (KHSO5 basis)	43.0-47.0%

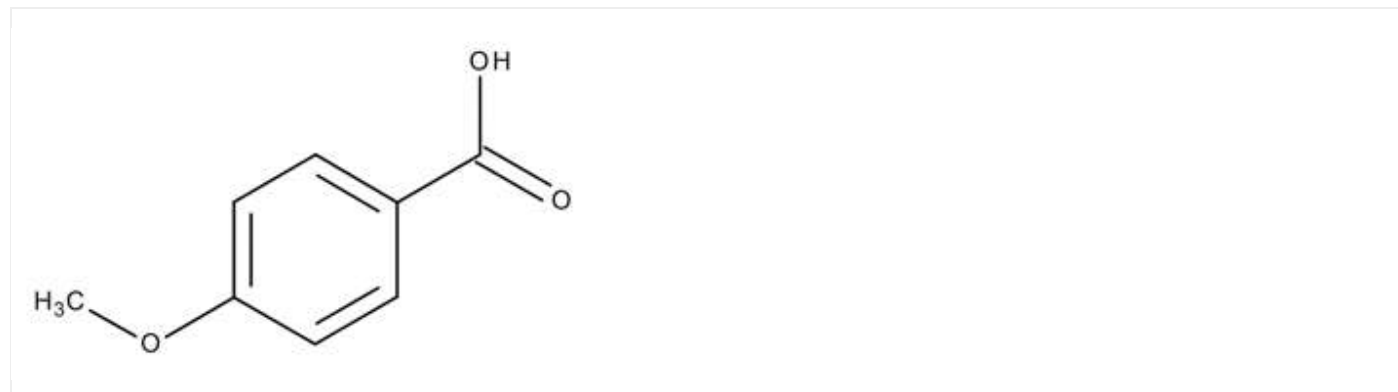
Safety Information and Hazard Symbols

Symbol: GHS03, GHS05, GHS07, GHS08
Signal Word: Danger
UN No.: 3215
IMCO Class No.: 5.1
Packing Group: III
Hazardous Statement: H272-H314-H317-H334-H335
Precaution Statement: P220-P261-P280-P305 + P351 + P338-P310

P-ANISIC ACID 98% FOR SYNTHESIS

4-Methoxybenzoic acid

Product Code.	00274	Grade	
Purity	98%	CAS No.	100-09-4
Molecular Formula	C ₈ H ₈ O ₃	Molecular Weight	152.15
H.S.Code	2918.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	182 - 185 °C
Auto-ignition temperature [°C]	> 250°C	Flash point [°C]	185 °C	Boiling point [°C]	275 - 280 °C
Initial boiling point [°C]	275°C	Final boiling point [°C]	280 °C	Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	1.67				

Packaging



Specification

Appearance	White crystalline powder

Assay	Min 98.0%
Melting range	182.0-185.0 degC

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

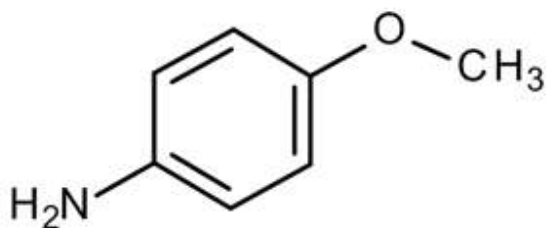
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

P-ANISIDINE 98% FOR SYNTHESIS

4-Aminoanisole, 4-Methoxyaniline

Product Code.	00277	Grade	For Synthesis
Purity	98%	CAS No.	104-94-9
Molecular Formula	C7H9NO	Molecular Weight	123.16
H.S.Code	2922.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark brown	Melting point/ Freezing point [°C]	56 - 59 °C
Flash point [°C]	122 °C	Boiling point [°C]	240 - 243 °C	Initial boiling point [°C]	240°C
Final boiling point [°C]	243 °C	Solubility in water [% weight]	Soluble in water		

Packaging



Specification

Appearance	White to light yellow to grey brown powder or solid or chunks or flakes
Assay	Min. 98.0%
Melting point	56 - 59°C

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H301-H310-H330-H350-H373-H400

Precaution Statement: P201-P260-P273-P280-P284-P301 + P310

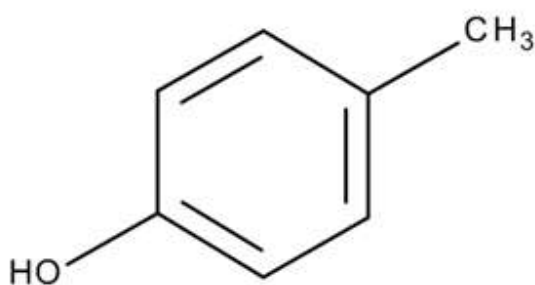
Risk Statement: 45-26/27/28-33-50

Safety Statement: 53-28-36/37-45-61

P-CRESOL 98% FOR SYNTHESIS

4-Methylphenol

Product Code.	00886	Grade	For Synthesis
Purity	98%	CAS No.	106-44-5
Molecular Formula	C7H8O	Molecular Weight	108.14
H.S.Code	2907.12100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light yellowish	Odour	Phenolic odor
Melting point/ Freezing point [°C]	31 - 34°C	Flash point [°C]	86°C	Boiling point [°C]	201°C
Vapour pressure [20°C]	1.3 hPa at 20°C	Vapour density	3.72	Solubility in water [% weight]	Slightly soluble in water

Specification

Appearance	Light yellowish liquid
Assay	Min 98%
Melting range	31 - 34 deg C

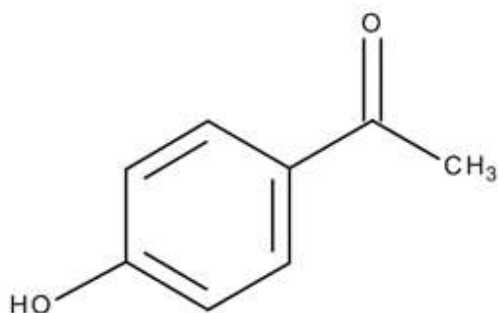
Safety Information and Hazard Symbols


Symbol: GHS05, GHS06 Signal Word: Danger UN No.: 3455 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H301-H311-H314 Precaution Statement: P280-P301 + P310-P305 + P351 + P338-P310

P-HYDROXY ACETOPHENONE 98% FOR SYNTHESIS

4-Hydroxyacetophenone

Product Code.	01405	Grade	
Purity	98%	CAS No.	99-93-4
Molecular Formula	C ₈ H ₈ O ₂	Molecular Weight	136.15
H.S.Code	2914.50000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pale yellow crystalline	Melting point/ Freezing point [°C]	109 - 111 °C
Boiling point [°C]	147 - 148 °C	Initial boiling point [°C]	147°C	Final boiling point [°C]	148 °C
Density [g/cm ³]	1.109				

Specification

Appearance	Pale yellow crystalline powder
Assay	Min 98%
Melting range	105 - 108 deg C

Safety Information and Hazard Symbols

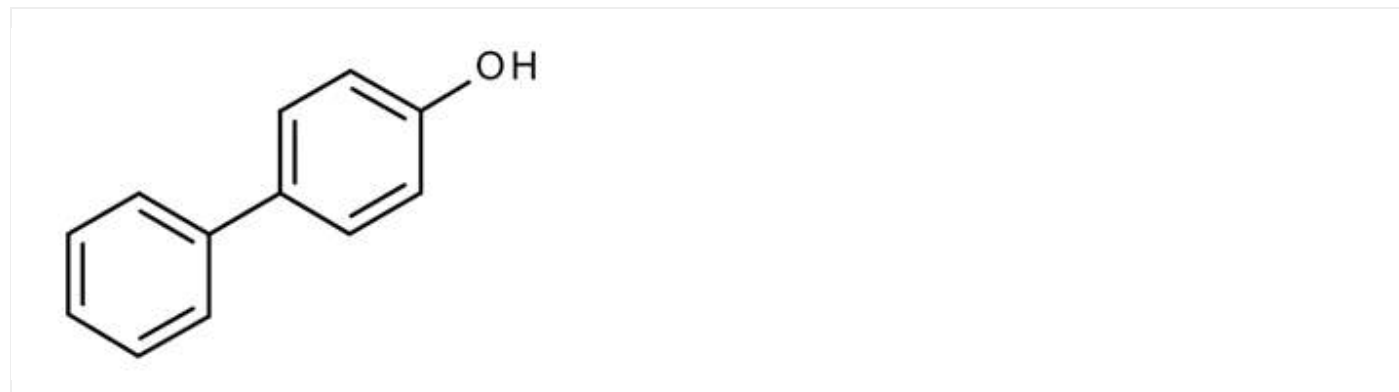


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302

P-HYDROXY DIPHENYL 98% FOR SYNTHESIS

(Deoxyribonuclease inhibitor) p-Hydroxybiphenyl; p-Phenylphenol

Product Code.	01410	Grade	
Purity	97%	CAS No.	92-69-3
Molecular Formula	C12H10O	Molecular Weight	170.21
H.S.Code	2907.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	165 - 167 °C
Flash point [°C]	160 °C	Boiling point [°C]	321 °C		

Packaging



Specification

Appearance	White to tan flakes/powder
Assay	Min 98%
Melting point	163 - 168°C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

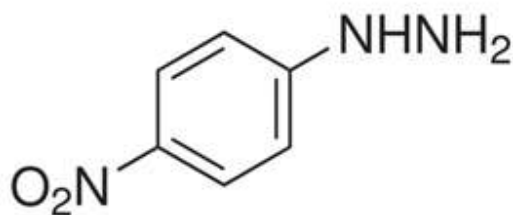
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

P-NITRO PHENYL HYDRAZINE

4-Nitrophenylhydrazine

Product Code.	01866	Grade	
Purity	96%	CAS No.	100-16-3
Molecular Formula	C6H7N3O2	Molecular Weight	153.14
H.S.Code	2928.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark reddish brown	Odour	Odorless
pH value	6 - 8	Melting point/ Freezing point [°C]	156°C	Boiling point [°C]	100°C
Density [g/cm3]	1	Solubility in water [% weight]	Slightly Soluble in water		

Specification

Appearance	Dark reddish brown powder
Assay (by HClO ₄ titration)	Min 98.5%
Melting range	156 - 161 deg C

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Warning

UN No.: 3376

IMCO Class No.: 4.1

Packing Group: I

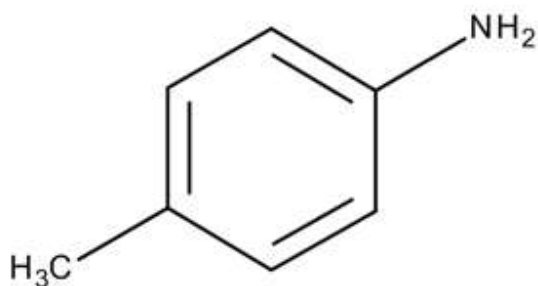
Hazardous Statement: H228-H302-H312-H315-H317-H319-H335

Precaution Statement: P210-P261-P280-P305 + P351 + P338

P-TOLUIDINE 99% FOR SYNTHESIS

Tend to discolouration. 4-Aminotoluene, 4-Methylaniline

Product Code.	02739	Grade	For Synthesis
Purity	99%	CAS No.	106-49-0
Molecular Formula	C7H9N	Molecular Weight	107.16
H.S.Code	2921.43500	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Aromatic odor
pH value	7.8	Melting point/ Freezing point [°C]	42 - 45 °C	Auto-ignition temperature [°C]	482 °C
Flash point [°C]	87 °C	Boiling point [°C]	200 °C	Vapour pressure [20°C]	1 mm Hg @ 2°C
Vapour pressure mm/Hg	1 mm Hg @ 20C	Vapour density	3.9	Density [g/cm3]	0.973
Solubility in water [% weight]	Insoluble in water				

Packaging

Specification

Appearance	White to light yellow and faint beige to beige crystals / crystalline powder becomes colored on exposure to air & light
Purity (by GC)	Min 99%
Melting point	43 - 45°C

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 3451

IMCO Class No.: 6.1

Packing Group: II

Hazardous Statement: H301-H311-H317-H319-H331-H351-H400

Precaution Statement: P261-P273-P280-P301 + P310-P305 + P351 + P338-P311

PC KLEAN (NEUTRAL) CLEANING SOLUTION
pH (2-5% Solution) 6.0-8.0 General Purpose. Concentration to use 2-5% (For manual cleaning)

Product Code.	01937	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	34022090.00000	Shelf Life	60 months

Physical Properties

Physical state at 20 deg C	Liquid	pH value	6-8	Colour	Colourless to pale yellow
Odor	Odorless	Density (gm/cm3)	1.05	Boiling Point (deg C)	100 deg C
Solubility in water (%weight)	Soluble in water	Vapour pressure	<-23.4hPa(20degC)		

Packaging



Specification

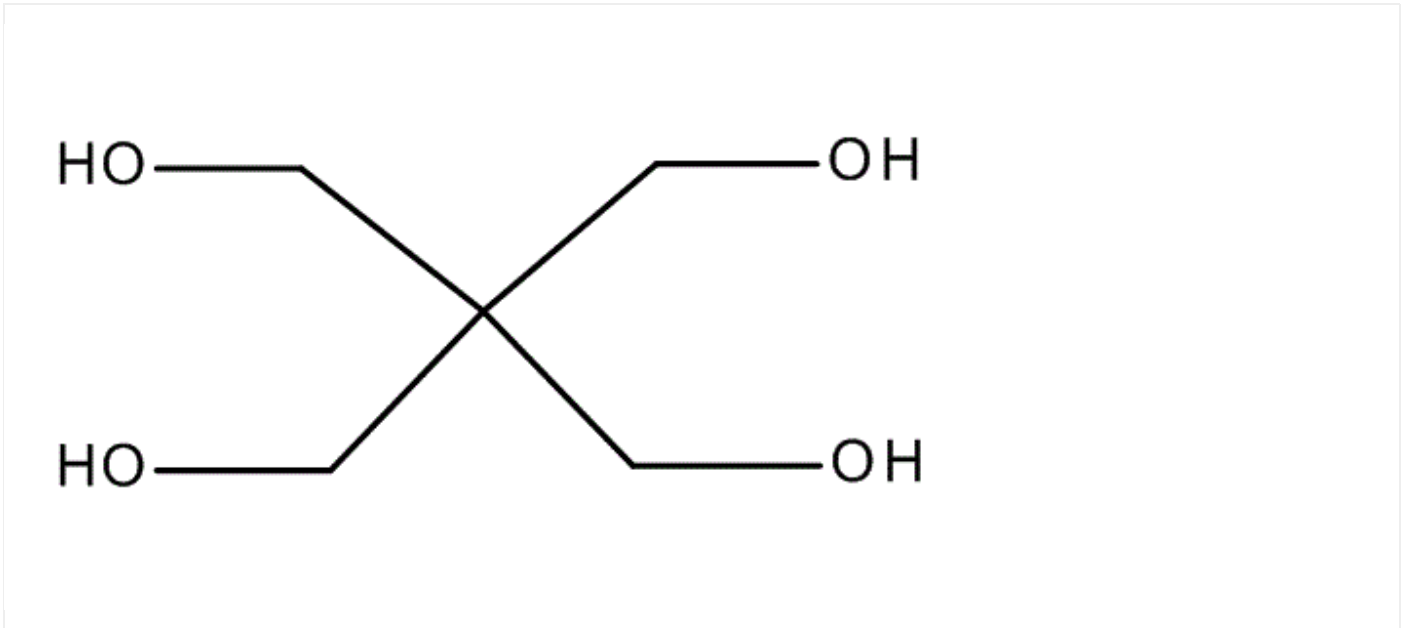
Appearance	Colorless to light yellow or golden color liquid
pH 1% w/v solution	6 - 8
Weight/ mL at 20°C	1.05 – 1.066 g/ml

Safety Information and Hazard Symbols

PENTAERYTHRITOL 98% FOR SYNTHESIS

2,2-Bis(hydroxymethyl)-1,3-propanediol

Product Code.	01941	Grade	
Purity	98%	CAS No.	115-77-5
Molecular Formula	C5H12O4	Molecular Weight	136.15
H.S.Code	2905.42100	Shelf Life	60 Months



Physical Properties

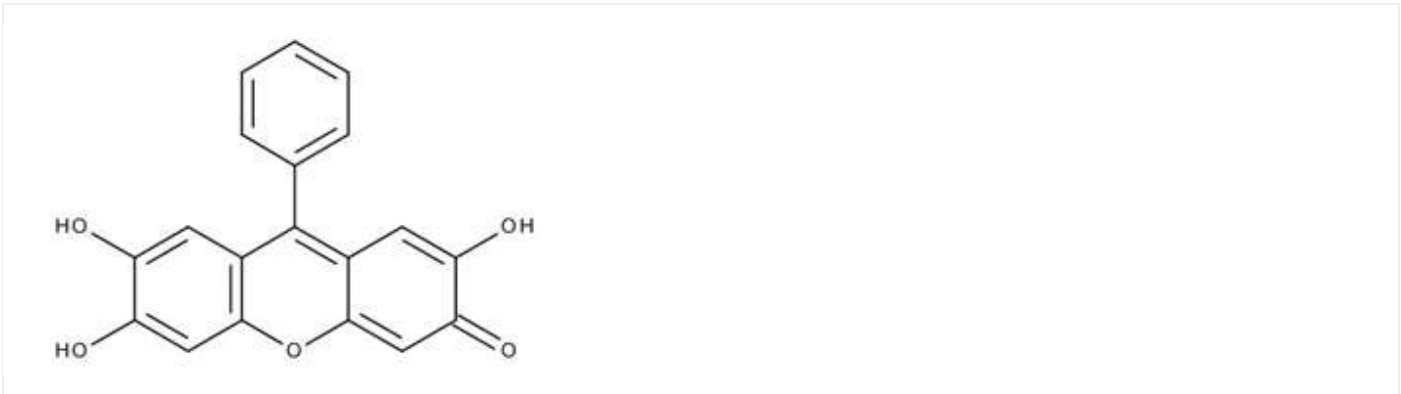
Physical state at 20 °C	Solid	Colour	White crystals	Odour	Odorless
Melting point/ Freezing point [°C]	253 - 258 °C	Auto-ignition temperature [°C]	490 °C	Flash point [°C]	150°C
Boiling point [°C]	276 °C	Vapour pressure [20°C]	< 1 hPa at 20 °C	Vapour density	4.7
Density [g/cm3]	1.396	Solubility in water [% weight]	Partially soluble in water	Partition coefficient Log Pow octanol / water at 20°C	-1.7

Specification

Appearance	White crystalline powder or crystal or granules
Assay	Min 98%
Melting range	257- 265 deg C

PHENYL FLUORONE 98.5% AR
Reagent for germanium 9-Phenyl-3-fluorone

Product Code.	01992	Grade	
Purity	98.5%	CAS No.	975-17-7
Molecular Formula	C19H12O5	Molecular Weight	320.30
H.S.Code	2932.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange powder	Odour	Odorless
Melting point/ Freezing point [°C]	> 300 °C				

Packaging

Specification

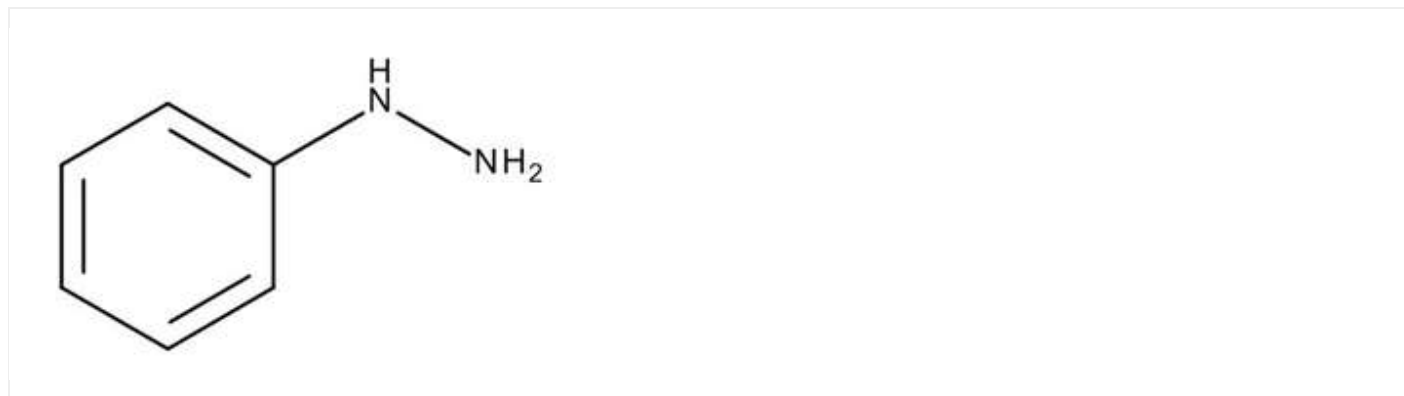
Appearance	Orange to orange-brown powder
Assay	Min 98.5%
Absorption maxima	About 546 nm
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols

PHENYL HYDRAZINE 98% AR

Reagent for aldehyde, ketones and sugar. Used for the detection of molybdenum. Hydrazinobenzene

Product Code.	01994	Grade	AR
Purity	98%	CAS No.	100-63-0
Molecular Formula	C6H8N2	Molecular Weight	108.14
H.S.Code	2928.00900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pale yellow	Odour	Faint aromatic odor
Melting point/ Freezing point [°C]	18 - 21 °C	Flash point [°C]	89 °C	Boiling point [°C]	238 - 241 °C
Initial boiling point [°C]	238°C	Final boiling point [°C]	241 °C	Vapour pressure mm/Hg	1 mm Hg @ 71.80C
Vapour density	3.7	Density [g/cm3]	1.098	Solubility in water [% weight]	Slightly soluble in hot water
Explosion limits -lower [%]	1.10%				

Packaging

Specification

Appearance	Pale yellow colored liquid
Assay (by HClO4 titration)	Min 98.0%

Melting point	19 - 20 °C
Sulphated ash	Max 0.1%
Iron (Fe)	Max 0.001%
Nickel (Ni)	Max 0.001%
Lead (Pb)	Max 0.001%

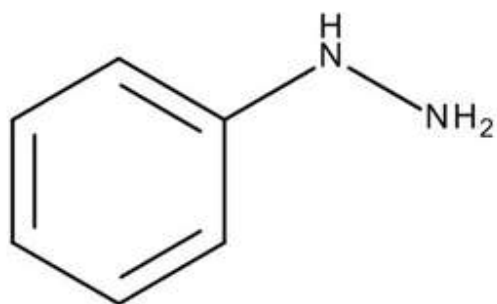
Safety Information and Hazard Symbols


Symbol: GHS06, GHS08, GHS09 Signal Word: Danger UN No.: 2572 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H301-H311-H315-H317-H319-H331-H341-H350-H372-H400 Precaution Statement: P201-P261-P273-P280-P301 + P310-P305 + P351 + P338

PHENYL HYDRAZINE 98% FOR SYNTHESIS

Hydrazinobenzene

Product Code.	01993	Grade	For Synthesis
Purity	98%	CAS No.	100-63-0
Molecular Formula	C6H8N2	Molecular Weight	108.14
H.S.Code	2928.00900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pale yellow	Odour	Faint aromatic odor
Melting point/ Freezing point [°C]	18 - 21 °C	Flash point [°C]	89 °C	Boiling point [°C]	238 - 241 °C
Initial boiling point [°C]	238°C	Final boiling point [°C]	241 °C	Vapour pressure mm/Hg	1 mm Hg @ 71.80C
Vapour density	3.7	Density [g/cm3]	1.098	Solubility in water [% weight]	Slightly soluble in hot water
Explosion limits -lower [%]	1.10%				

Packaging

Specification

Appearance	Pale yellow colored liquid
Assay (by HClO4 titration)	Min 98.0%

Density (d20°C/4°C)	1.096 - 1.099 g/ml
Refractive index (20°C; 589 nm)	~1.6070
Melting point	19 - 20°C

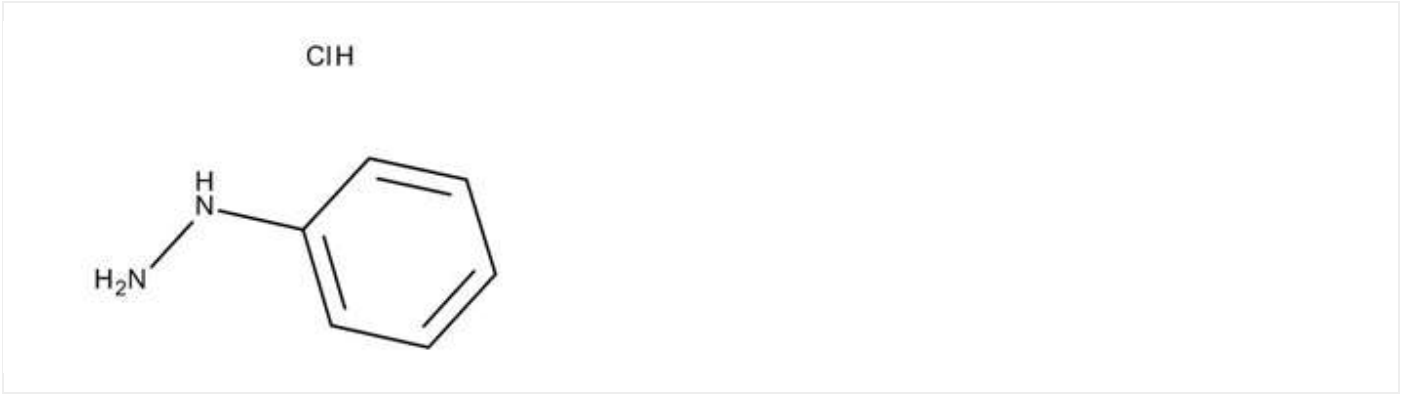
Safety Information and Hazard Symbols


Symbol: GHS06, GHS08, GHS09 Signal Word: Danger UN No.: 2572 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H301-H311-H315-H317-H319-H331-H341-H350-H372-H400 Precaution Statement: P201-P261-P273-P280-P301 + P310-P305 + P351 + P338

PHENYL HYDRAZINE HYDROCHLORIDE 99% AR

For the detection of aldehydes and ketones. Phenylhydrazine Monohydrochloride; Phenylhydrazinium Chloride; Hydrazinobenzene hydrochlor

Product Code.	01996	Grade	AR
Purity	99%	CAS No.	59-88-1
Molecular Formula	C6H9ClN2	Molecular Weight	144.61
H.S.Code	2928.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to cream	Melting point/ Freezing point [°C]	250 - 254 °C
Solubility in water [% weight]	Freely soluble				

Packaging

Specification

Appearance	White to faint beige powder
Assay	Min 99%
Solubility in water	Passes test
Sulphate (SO4)	Max 0.01%
Iron (Fe)	Max 0.001%
Loss on drying (at 105°C)	Max 0.5%
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

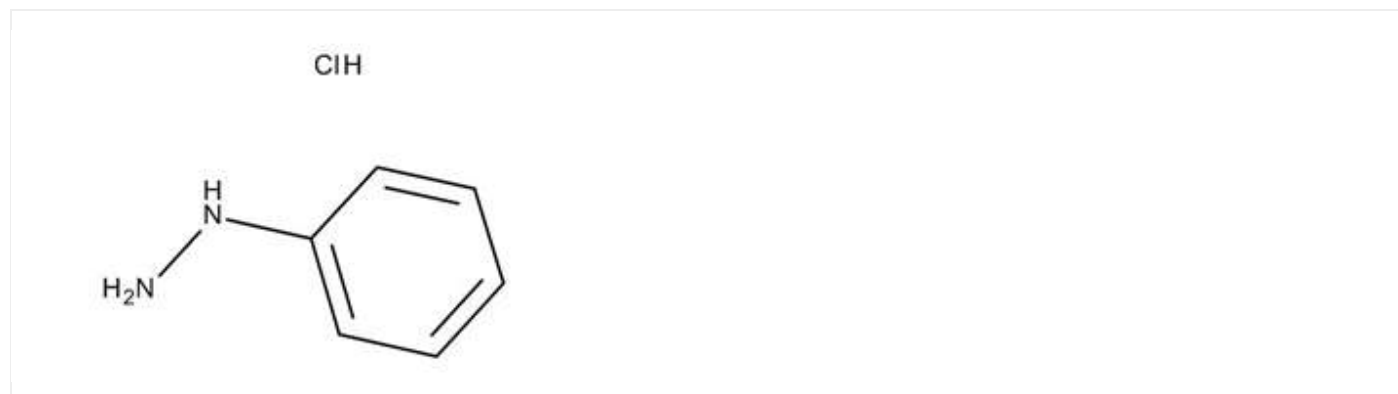
Hazardous Statement: H301-H311-H315-H317-H319-H331-H341-H350-H372-H400

Precaution Statement: P201-P261-P273-P280-P301 + P310-P305 + P351 + P338

PHENYL HYDRAZINE HYDROCHLORIDE 99% EXTRAPURE

Phenylhydrazine Monohydrochloride; Phenylhydrazinium Chloride; Hydrazinobenzene hydrochlor

Product Code.	01995	Grade	
Purity	99%	CAS No.	59-88-1
Molecular Formula	C6H9ClN2	Molecular Weight	144.61
H.S.Code	2928.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to cream	Melting point/ Freezing point [°C]	250 - 254 °C
Solubility in water [% weight]	Freely soluble				

Specification

Appearance	White to faint beige powder
Assay	Min 99%

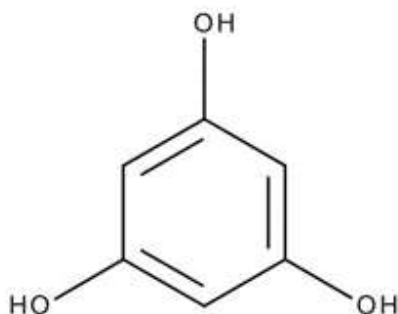
Safety Information and Hazard Symbols


Symbol: GHS06, GHS08, GHS09 Signal Word: Danger UN No.: 2811 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301-H311-H315-H317-H319-H331-H341-H350-H372-H400 Precaution Statement: P201-P261-P273-P280-P301 + P310-P305 + P351 + P338

PHLOROGLUCINOL 99% AR

In microscopy decalcifier of bone specimens. Reagent for pantosans and aldehydes. 1,3,5-Trihydroxybenzene

Product Code.	02000	Grade	
Purity	99%	CAS No.	108-73-6
Molecular Formula	C6H6O3	Molecular Weight	126.11
H.S.Code	2907.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	215 - 220 °C	Vapour density	4.3	Density [g/cm3]	1.46
Solubility in water [% weight]	Partially soluble in water				

Packaging

Specification

Appearance	White to yellowish white powder
Assay	Min 99%
Melting range	215 - 220 deg C
Diresorcine	Passes test
Sulphated ash	Max 0.1%
Loss on drying	Max 1%

Safety Information and Hazard Symbols



Symbol: GHS08

Signal Word: Warning

Hazardous Statement: H341-H361

Precaution Statement: P281

PHOSPHOMOLYBDIC ACID AR

dodeca-molybdo phosphoric acid

Product Code.	02003	Grade	
Purity		CAS No.	51429-74-4
Molecular Formula	H3Mo12O40P.xH2O	Molecular Weight	1825.28
H.S.Code	2811.19900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow crystalline	Melting point/ Freezing point [°C]	79 - 90 °C
Density [g/cm3]	1.62	Solubility in water [% weight]	Appreciable (> 10%)		

Specification

Appearance	Yellow moist powder /yellow hygroscopic powder
Insoluble matter	Max 0.01%
Chloride (Cl)	Max 0.02%
Sulphate (SO4)	Max 0.025%
Heavy metal (as Pb)	Max 0.005%
Iron (Fe)	Max 0.005%
Calcium (Ca)	Max 0.02%
Ammonium (NH4)	Max 0.01%

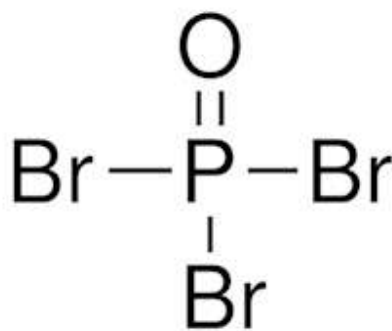
Safety Information and Hazard Symbols


Symbol: GHS03, GHS05 Signal Word: Danger UN No.: 3084 IMCO Class No.: 8 (5.1) Packing Group: II Hazardous Statement: H272-H314 Precaution Statement: P220-P280-P305 + P351 + P338-P310

PHOSPHOROUS OXYBROMIDE 98% FOR SYNTHESIS

Store at 2-8°C Phosphorus oxide bromide, Phosphoryl bromide

Product Code.	02014	Grade	
Purity	98%	CAS No.	7789-59-5
Molecular Formula	POBr ₃	Molecular Weight	286.69
H.S.Code	2827.59900	Shelf Life	60 Months



Specification

Appearance	Light orange or Gray-Tan to Gray Brown Crystals or Crystalline Solids
Assay (argentometric)	Min 98.0%
Melting range	50-56°C

Safety Information and Hazard Symbols



Symbol: GHS05
Signal Word: Danger
UN No.: 1939
IMCO Class No.: 8
Packing Group: II
Hazardous Statement: H314
Precaution Statement: P280-P305 + P351 + P338-P310
Risk Statement: 14-34
Safety Statement: 26-36/37/39-45

PHOSPHORUS PENTASULPHIDE 98% FOR SYNTHESIS

Phosphorus(V) sulfide

Product Code.	02017	Grade	
Purity	98%	CAS No.	1314-80-3
Molecular Formula	P2S5	Molecular Weight	222.27
H.S.Code	2813.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow	Odour	Stench
Melting point/ Freezing point [°C]	280 - 284 °C	Auto-ignition temperature [°C]	142°C	Boiling point [°C]	514 °C
Density [g/cm3]	2.03	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	Yellow to yellow green powder
Assay (ex P)	98.0 - 101.5%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS09 Signal Word: Danger UN No.: 1340 IMCO Class No.: 4.3,4.1 Packing Group: II Hazardous Statement: H228-H260-H302-H332-H400 Precaution Statement: P210-P223-P231 + P232-P273-P370 + P378-P422

PHTHALAMIDE 98.5% FOR SYNTHESIS

Product Code.	02025	Grade	For Synthesis
Purity	98.5%	CAS No.	88-96-0
Molecular Formula	C8H8N2O2	Molecular Weight	164.16
H.S.Code	0.00000	Shelf Life	60 Months

Physical Properties

Packaging

Specification

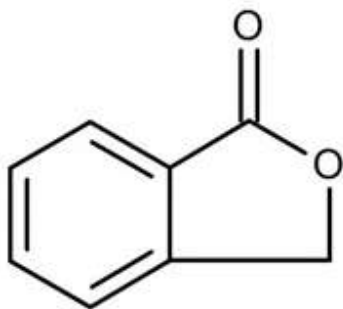
Appearance	White to almost white crystals /crystalline / amorphous powder or crystalline flakes.
Assay (Acidimetric)	Min 98.0%
Solubility	2.5% solution in acetone is clear and colourless to almost colourless.
Identification (By FTIR)	Conforms
Melting point	220°- 224°C

Safety Information and Hazard Symbols

PHTHALIDE (FOR SYNTHESIS)

1-Isobenzofuranone

Product Code.	02030	Grade	
Purity	98%	CAS No.	87-41-2
Molecular Formula	C8H6O2	Molecular Weight	134.14
H.S.Code	2932.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellow crystalline	Melting point/ Freezing point [°C]	71 - 74 °C
Flash point [°C]	152 °C	Boiling point [°C]	290 °C	Solubility in water [% weight]	Slightly soluble in water

Specification

Appearance	White to yellow crystalline powder
Assay (GC area %)	Min 98%
Melting range	70 - 73 deg C
Identity (IR)	Conforms

Safety Information and Hazard Symbols

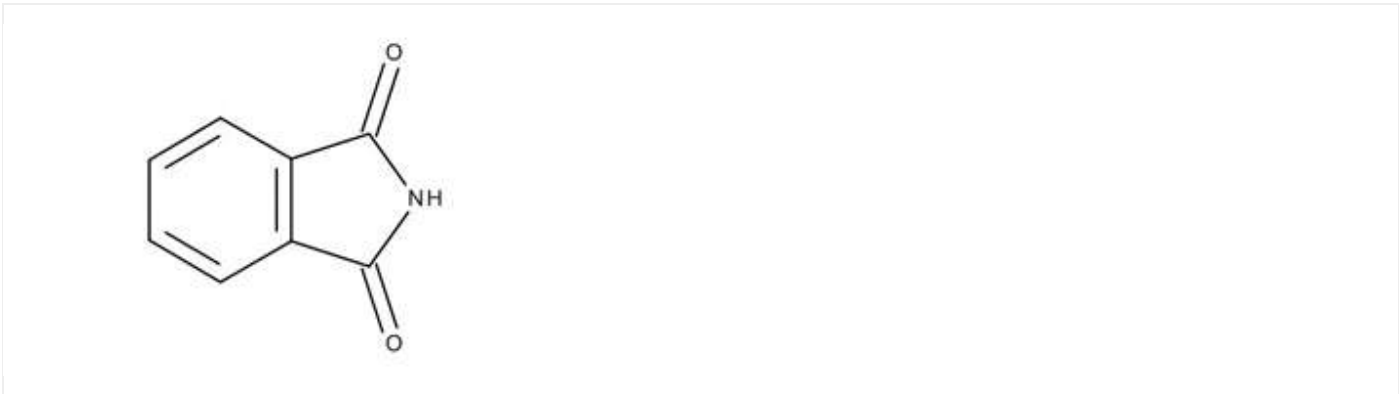


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H319
Precaution Statement: P305 + P351 + P338

PHTHALIMIDE 98% FOR SYNTHESIS

1,3-Dihydro-1,3-dioxoisindole

Product Code.	02031	Grade	For Synthesis
Purity	98.5%	CAS No.	85-41-6
Molecular Formula	C8H5NO2	Molecular Weight	147.13
H.S.Code	2925.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	3.8 at 0.6 g/l
Melting point/ Freezing point [°C]	232 - 235 °C	Auto-ignition temperature [°C]	>= 500 °C	Flash point [°C]	150 °C
Boiling point [°C]	310 °C	Density [g/cm3]	1.21	Partition coefficient Log Pow octanol / water at 20°C	1.1

Packaging

Specification

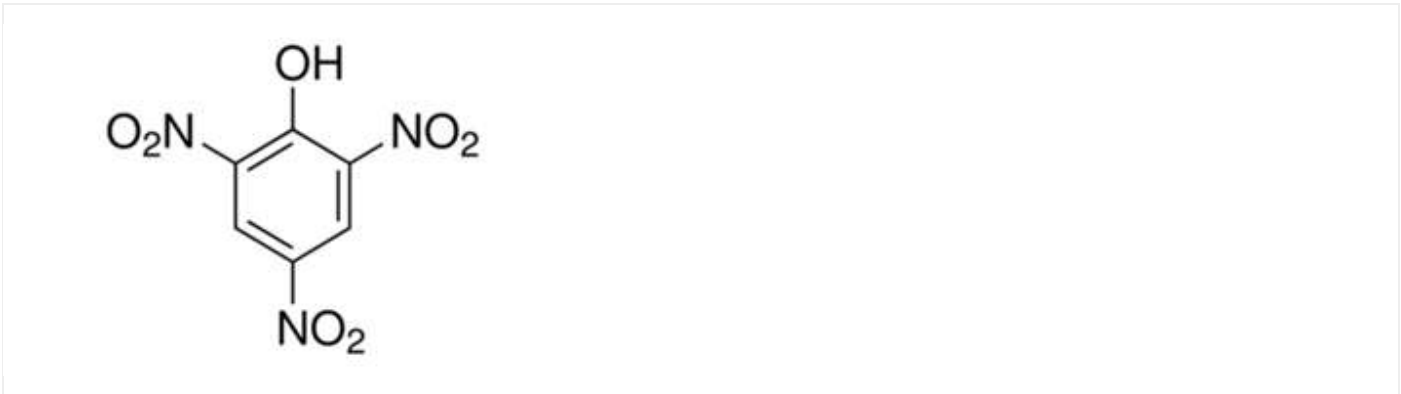
Appearance	White to light yellow powder
Purity (by HPLC)	Min 98.5%
Melting range	232 - 238°C

Safety Information and Hazard Symbols

PICRIC ACID SATURATED AQUEOUS SOLUTION

Saturated aqueous solution., 2,4,6-trinitropheno

Product Code.	02037	Grade	
Purity		CAS No.	88-89-1
Molecular Formula		Molecular Weight	0.00
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Yellow coloured solution	Vapour pressure [20°C]	2.3 kPa (@ 20°C)
Vapour density	0.62	Density [g/cm3]	1.01	Solubility in water [% weight]	Soluble in water

Packaging

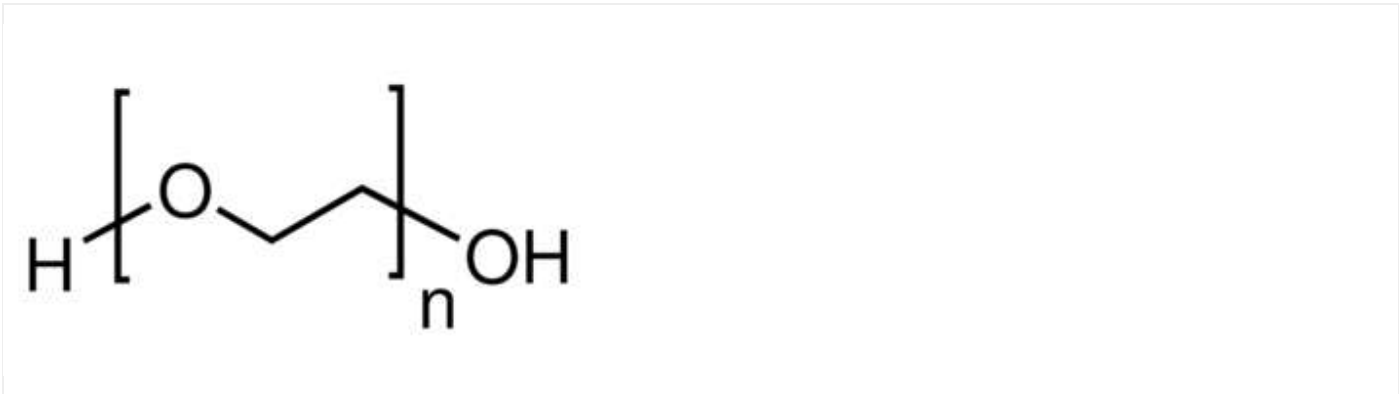
Specification

Appearance	Yellow colored solution
Density (at 25°C)	1.00 gm/ml

Safety Information and Hazard Symbols

POLYETHYLENE GLYCOL 1500 FOR SYNTHESIS
PEG 1500

Product Code.	02050	Grade	
Purity		CAS No.	25322-68-3
Molecular Formula	HO(C2H4O)nH	Molecular Weight	1400.00
H.S.Code	3907.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	pH value	6 - 7 at 10 g/l at 23 °C
Melting point/ Freezing point [°C]	-18 °C	Auto-ignition temperature [°C]	305 °C	Flash point [°C]	220 °C
Boiling point [°C]	> 300 °C	Vapour pressure [20°C]	< 0.01 hPa at 20 °C	Density [g/cm3]	1.125
Solubility in water [% weight]	Soluble in water	Viscosity at 40°C [mm2/s]	75 - 95 mm2/s at 20 °C		

Packaging

Specification

Appearance	White to creamy white, wax-like solid or flakes
Freezing point	42 - 48 deg C
Colour of solution (20% in water)	Passes test
pH (5 % solution)	4 - 7

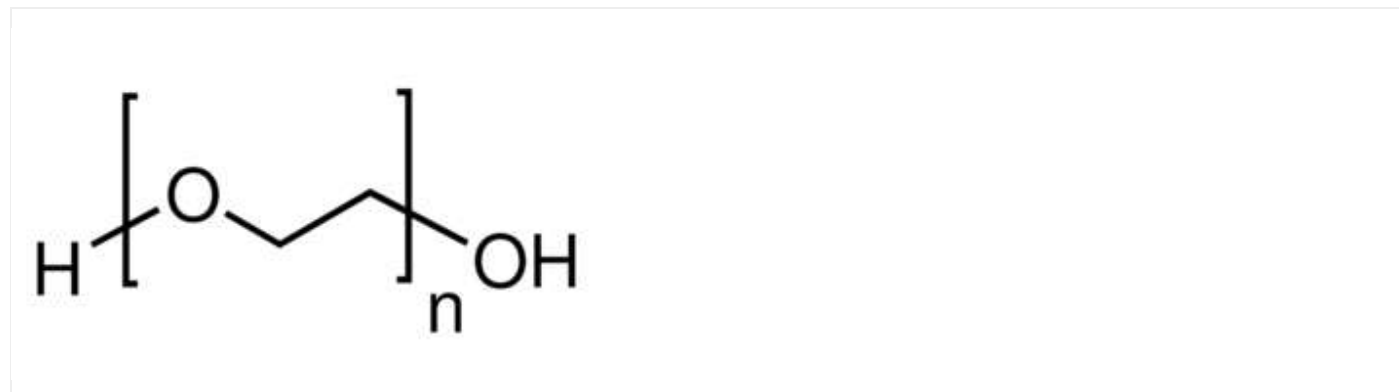
Arsenic (As)	Max 0.0003%
Heavy metal (as Pb)	Max 0.0005%
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols

POLYETHYLENE GLYCOL 200 FOR SYNTHESIS

PEG 200

Product Code.	02046	Grade	
Purity		CAS No.	25322-68-3
Molecular Formula	HO(C ₂ H ₄ O) _n H	Molecular Weight	190.00
H.S.Code	3907.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	pH value	6 - 7 at 10 g/l at 23 °C
Melting point/ Freezing point [°C]	-18 °C	Auto-ignition temperature [°C]	305 °C	Flash point [°C]	220 °C
Boiling point [°C]	> 300 °C	Vapour pressure [20°C]	< 0.01 hPa at 20 °C	Density [g/cm ³]	1.125
Solubility in water [% weight]	Soluble in water	Viscosity at 40°C [mm ² /s]	75 - 95 mm ² /s at 20 °C		

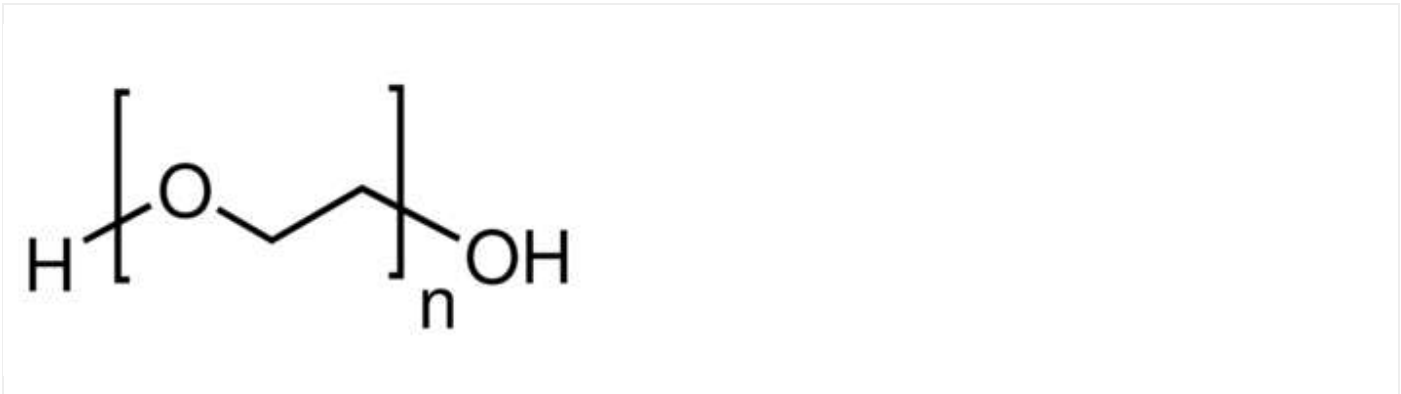
Specification

Appearance	Clear colorless viscous liquid
Hydroxyl number	535 - 590
Density (d _{20°C/4°C})	1.124 - 1.126

POLYETHYLENE GLYCOL 300 FOR SYNTHESIS

PEG 300

Product Code.	02047	Grade	
Purity		CAS No.	25322-68-3
Molecular Formula	HO(C2H4O)nH	Molecular Weight	285.00
H.S.Code	3907.20900	Shelf Life	60 Months



Physical Properties

Packaging

Specification

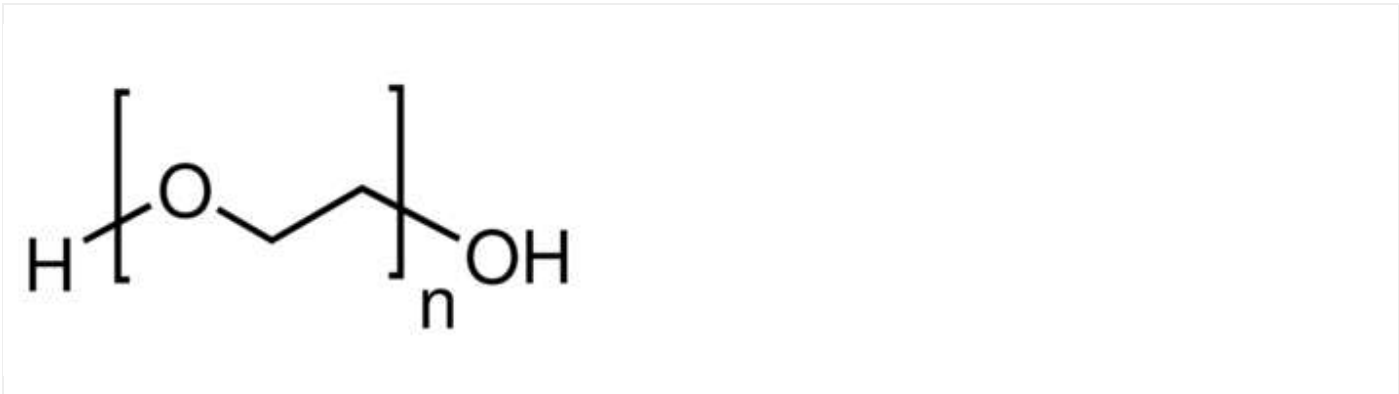
Appearance	Clear colorless viscous liquid
Density (d20°C/4°C)	1.125 - 1.127
Refractive index (20°C; 589 nm)	~1.465
Viscosity (20°C)	~95 mPas

Safety Information and Hazard Symbols

POLYETHYLENE GLYCOL 400 FOR SYNTHESIS

PEG 400

Product Code.	02048	Grade	For Synthesis
Purity		CAS No.	25322-68-3
Molecular Formula	HO(C2H4O)nH	Molecular Weight	380.00
H.S.Code	3907.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	pH value	6 - 7 at 10 g/l at 23 °C
Melting point/ Freezing point [°C]	-18 °C	Auto-ignition temperature [°C]	305 °C	Flash point [°C]	220 °C
Boiling point [°C]	> 300 °C	Vapour pressure [20°C]	< 0.01 hPa at 20 °C	Density [g/cm3]	1.125
Solubility in water [% weight]	Soluble in water	Viscosity at 40°C [mm2/s]	75 - 95 mm2/s at 20 °C		

Packaging

Specification

Appearance	Clear colorless light yellow viscous liquid
Solubility	Max 20 APHA (25% in water)
Infrared spectrum	Conforms
Density (d20°C/4°C)	1.126 - 1.128

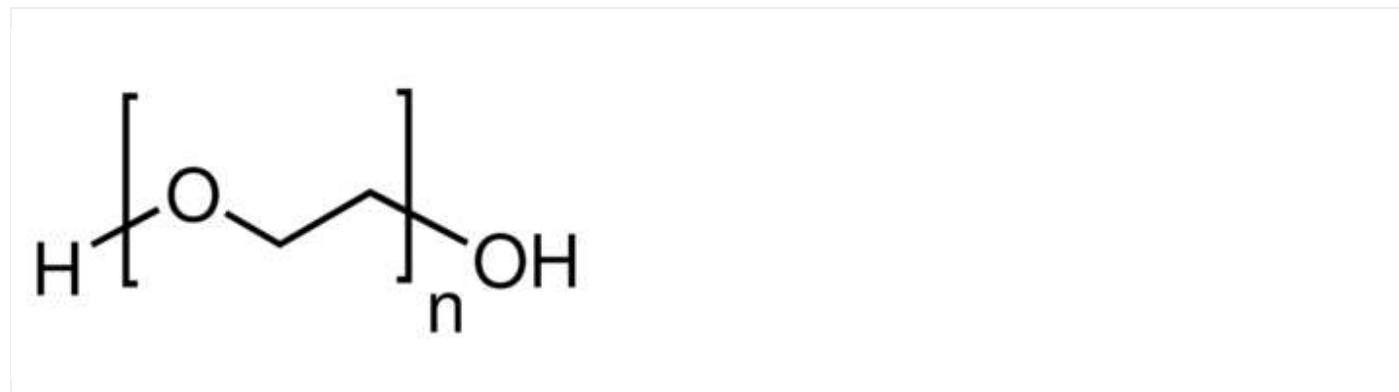
Water (by KF)	Max 1.0%
pH (5% solution in water)	4.5 - 7.5
Hydroxyl number	267.0 - 295.0 mg KOH/g
Viscosity (20°C)	85.0 - 105.0 cS

Safety Information and Hazard Symbols

POLYETHYLENE GLYCOL 600 FOR SYNTHESIS

PEG 600

Product Code.	02049	Grade	
Purity		CAS No.	25322-68-3
Molecular Formula	HO(C ₂ H ₄ O) _n H	Molecular Weight	570.00
H.S.Code	3907.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	pH value	6 - 7 at 10 g/l at 23 °C
Melting point/ Freezing point [°C]	-18 °C	Auto-ignition temperature [°C]	305 °C	Flash point [°C]	220 °C
Boiling point [°C]	> 300 °C	Vapour pressure [20°C]	< 0.01 hPa at 20 °C	Density [g/cm ³]	1.125
Solubility in water [% weight]	Soluble in water	Viscosity at 40°C [mm ² /s]	75 - 95 mm ² /s at 20 °C		

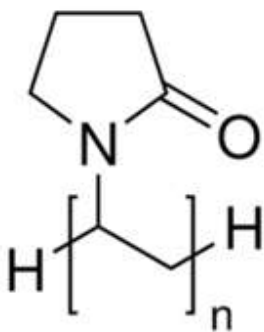
Specification

Appearance	A clear colourless liquid
Melting point	17 - 23 deg C
Density (d _{20°C/4°C})	1.126 - 1.128
Refractive index (20°C; 589 nm)	About 1.469
Viscosity (20°C)	150 - 190 mPas

POLYVINYL PYRROLIDONE K25 FOR SYNTHESIS

average molecular weight 24000 Conforms to USP PVP

Product Code.	02055	Grade	
Purity		CAS No.	9003-39-8
Molecular Formula	(C ₆ H ₉ NO) _n	Molecular Weight	0.00
H.S.Code	3905.99100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellowish	Melting point/ Freezing point [°C]	220 (decomposes)
Auto-ignition temperature [°C]	440	Relative density, liquid (water=1)	1.2 g/cm ³ at 20°C		

Packaging

Specification

Appearance	White to yellowish white hygroscopic powder or flakes
K-value	23.0-27.0
Identification as per USP	Complies
Residue on ignition	Max 0.1%
pH (5% solution)	3.0 -7.0
Water (H ₂ O)	Max 5.0%
Lead (Pb)	Max 0.001%

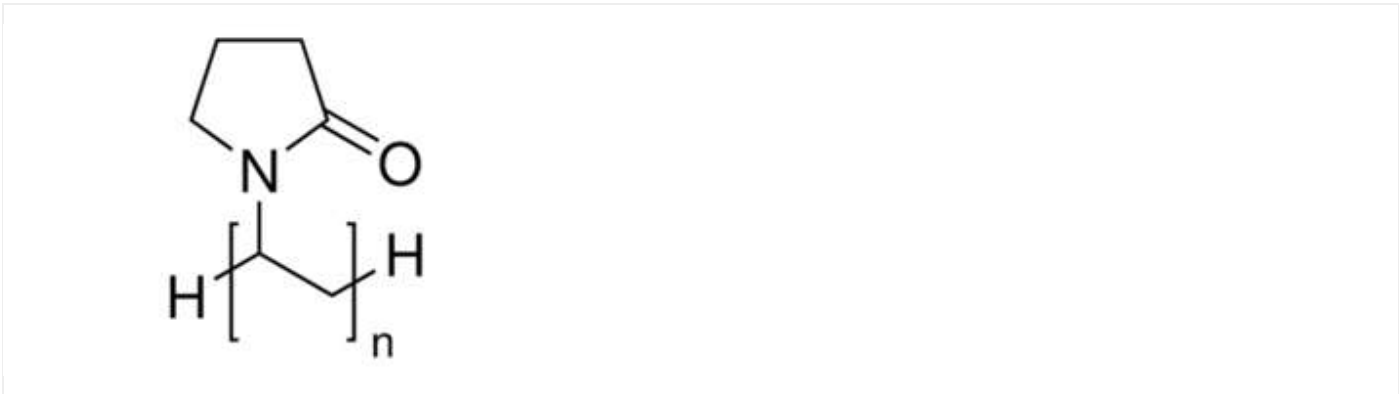
Aldehydes	Max 0.05%
Hydrazine (N2H4)	Max 0.0001%
Vinylpyrrolidone	Max 0.001%
Nitrogen content (as N)	11.5-12.8%

Safety Information and Hazard Symbols

POLYVINYL PYRROLIDONE K30 FOR SYNTHESIS

average molecular weight 40000 PVP

Product Code.	02056	Grade	
Purity		CAS No.	9003-39-8
Molecular Formula	(C6H9NO)n	Molecular Weight	0.00
H.S.Code	3905.99100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	5 - 8 at 10 g/l at 20 °C
Melting point/ Freezing point [°C]	>300°C	Viscosity at 40°C [mm2/s]	2.4 mm2/s at 20 °C		

Packaging

Specification

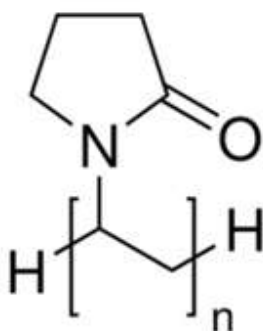
Appearance	White to yellowish white powder
Viscosity (5% in water; 25°C)	About 2.4 cps
Residual monomer	Max 0.8%
Water content	Max 5%
Sulphated ash	Max 0.02%

Safety Information and Hazard Symbols

POLYVINYL PYRROLIDONE K90 FOR SYNTHESIS

average molecular weight 360000 PVP

Product Code.	02057	Grade	
Purity		CAS No.	9003-39-8
Molecular Formula	(C ₆ H ₉ NO) _n	Molecular Weight	0.00
H.S.Code	3905.99100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Creamy White	Melting point/ Freezing point [°C]	13.9
Boiling point [°C]	90.0 - 93.0	Relative density, liquid (water=1)	1.23 - 1.29		

Packaging

Specification

Appearance	White to yellowish white hygroscopic powder or flakes
K-value	85.0 - 95.0
pH (5 % solution)	3.0 - 7.0
Assay (ex N)	11.5 - 12.8%
Aldehydes	Max. 0.05%
Formic acid	Max. 0.5%
Hydrazine (N ₂ H ₄)	Max. 0.0001%
Lead (Pb)	Max. 0.001%

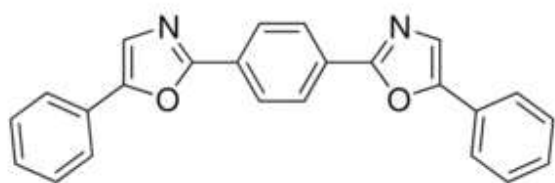
Peroxide (as H2O2)	Max. 0.04%
Vinylpyrrolidone	NMT 0.001%
2-Pyrrolidone	NMT 3.0%
Residue on ignition	Max. 0.1%
Water (H2O)	Max. 5.0%

Safety Information and Hazard Symbols

POOP 97% SCINTILLATION GRADE

2,2-Phenylene-bis (5-phenyloxazole) ; (1,4-di-2 (5-phenyloxazolyl) benzene)

Product Code.	02059	Grade	
Purity	99%	CAS No.	1806-34-4
Molecular Formula	C24H16N2O2	Molecular Weight	364.41
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Faint green powder	Melting point/ Freezing point [°C]	243-246°C
Density [g/cm3]	0.872				

Specification

Appearance	Faint green powder with fluorescence
Assay (UV)	Min 99%
Melting point	243 - 246 deg C

Safety Information and Hazard Symbols



Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302-H319
Precaution Statement: P305 + P351 + P338

POTASSIUM CHLORIDE 3 M SOLUTION

for potentiometer electrode

Product Code.	02086	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colourless	Odour	Odorless
Boiling point [°C]	100°C	Vapour pressure [20°C]	2.3 kPa (@ 20°C)	Vapour density	0.62
Density [g/cm3]	1.04	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Colorless solution
Concentration (KCl)	2.97 - 3.1 mol/l

Safety Information and Hazard Symbols

POTASSIUM ETHYL XANTHATE 96% EXTRAPURE

Potassium ethyl xanthogenate; O-Ethylxanthic acid potassium salt; KEX; Potassium O-ethyl dithiocarbonate; Potassium xanthogenate

Product Code.	02102	Grade	
Purity	96%	CAS No.	140-89-6
Molecular Formula	C3H5KOS2	Molecular Weight	160.30
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow crystalline	Odour	Carbon disulphide like
Melting point/ Freezing point [°C]	210 °C	Flash point [°C]	96 °C	Density [g/cm3]	1.558
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	Yellow crystalline powder
Assay (by titration)	95.5 - 104.5%
Identity (IR)	Conforms to structure

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

UN No.: 3342

IMCO Class No.: 4.2

Packing Group: II

Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

POTASSIUM HYDROXIDE 40% W/W SOLUTION FOR ANALYSIS

Product Code.	02119	Grade	
Purity		CAS No.	1310-58-3
Molecular Formula	KOH	Molecular Weight	56.11
H.S.Code	3822.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	pH value	Alkaline
Boiling point [°C]	100°C	Vapour pressure [20°C]	17.535 mm of Hg (@ 20°C)	Vapour pressure mm/Hg	17.535 mm of Hg (@ 20°C)
Vapour density	0.62	Density [g/cm3]	1.3	Solubility in water [% weight]	Soluble in water

Packaging

Specification

Appearance	A clear colourless solution
Assay (acidimetric, KOH)	39 - 41% (w/w)
Carbonate (as K2CO3)	Max 1%
Chloride (Cl)	Max 0.002%
Sulphate (SO4)	Max 0.0005%

Phosphate (PO4)	Max 0.0005%
Silicate (SiO2)	Max 0.005%
Total nitrogen (N)	Max 0.0003%
Heavy metal (as Pb)	Max 0.0005%
Iron (Fe)	Max 0.001%
Arsenic (As)	Max 0.0001%
Magnesium (Mg)	Max 0.005%
Copper (Cu)	Max 0.001%
Calcium (Ca)	Max 0.001%
Nickel (Ni)	Max 0.0005%
Sodium (Na)	Max 0.5%

Safety Information and Hazard Symbols


Symbol: GHS05, GHS07 Signal Word: Danger UN No.: 1814 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H302-H314 Precaution Statement: P280-P305 + P351 + P338-P310

POTASSIUM HYDROXIDE 45% W/W AQUEOUS SOLUTION AR

Product Code.	02120	Grade	
Purity	45%	CAS No.	1310-58-3
Molecular Formula	KOH	Molecular Weight	56.11
H.S.Code	3822.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	pH value	Alkaline
Boiling point [°C]	100°C	Vapour pressure [20°C]	17.535 mm of Hg (@ 20°C)	Vapour pressure mm/Hg	17.535 mm of Hg (@ 20°C)
Vapour density	0.62	Density [g/cm3]	1.3	Solubility in water [% weight]	Soluble in water

Packaging

Specification

Appearance	A clear colourless solution
Assay (acidimetric, KOH)	44 - 46% (w/w)
Carbonate (as K2CO3)	Max 1%
Chloride (Cl)	Max 0.002%
Sulphate (SO4)	Max 0.0005%

Phosphate (PO4)	Max 0.0005%
Silicate (SiO2)	Max 0.005%
Total nitrogen (N)	Max 0.0003%
Heavy metal (as Pb)	Max 0.0005%
Iron (Fe)	Max 0.001%
Arsenic (As)	Max 0.0001%
Magnesium (Mg)	Max 0.005%
Copper (Cu)	Max 0.001%
Calcium (Ca)	Max 0.001%
Nickel (Ni)	Max 0.0005%
Sodium (Na)	Max 0.5%

Safety Information and Hazard Symbols


Symbol: GHS05, GHS07 Signal Word: Danger UN No.: 1814 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H302-H314 Precaution Statement: P280-P305 + P351 + P338-P310

POTASSIUM IODATE 99.5% AR

Oxidizing agent in volumetric chemical analysis.

Product Code.	02129	Grade	AR
Purity	99.5%	CAS No.	7758-05-6
Molecular Formula	KIO3	Molecular Weight	214.00
H.S.Code	2829.90100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	560 °C	Density [g/cm3]	3.93	Solubility in water [% weight]	32 g in 100cc @ 1000C

Packaging

Specification

Appearance	White crystalline powder
Assay (iodometric, on dried basis)	Min 99.5%
pH (5% solution in water)	5 - 8
Chloride, chlorate and bromide, bromate (as Cl)	Max 0.02%
Iodide (I)	Max 0.002%
Sulphate (SO4)	Max 0.006%
Total nitrogen (N)	Max 0.002%
Heavy metal (as Pb)	Max 0.0006%
Iron (Fe)	Max 0.001%
Sodium (Na)	Max 0.005%
Loss on drying (at 130°C)	Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS03, GHS07

Signal Word: Danger

UN No.: 1479

IMCO Class No.: 5.1

Packing Group: II

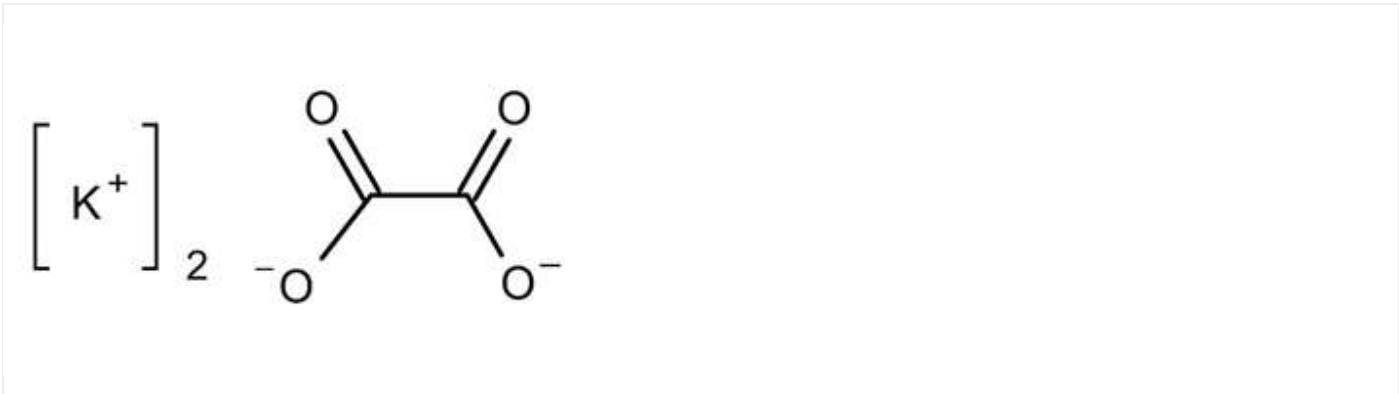
Hazardous Statement: H272-H315-H319-H335

Precaution Statement: P220-P261-P305 + P351 + P338

POTASSIUM OXALATE 99% EXTRAPURE

Oxalic acid potassium salt monohydrate

Product Code.	02148	Grade	Extrapure
Purity	99%	CAS No.	6487-48-5
Molecular Formula	(COOK)2.H2O	Molecular Weight	184.23
H.S.Code	2917.11900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless Crystals	Odour	Odorless
pH value	7 - 8.5 at 50 g/l at 25 °C	Density [g/cm3]	2.127	Solubility in water [% weight]	30 g in 100 g water

Packaging

Specification

Appearance	Colorless crystals/ White crystalline powder
Assay (oxidimetric)	Min 99.0%
Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.05%
Iron (Fe)	Max 0.005%
Lead (Pb)	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

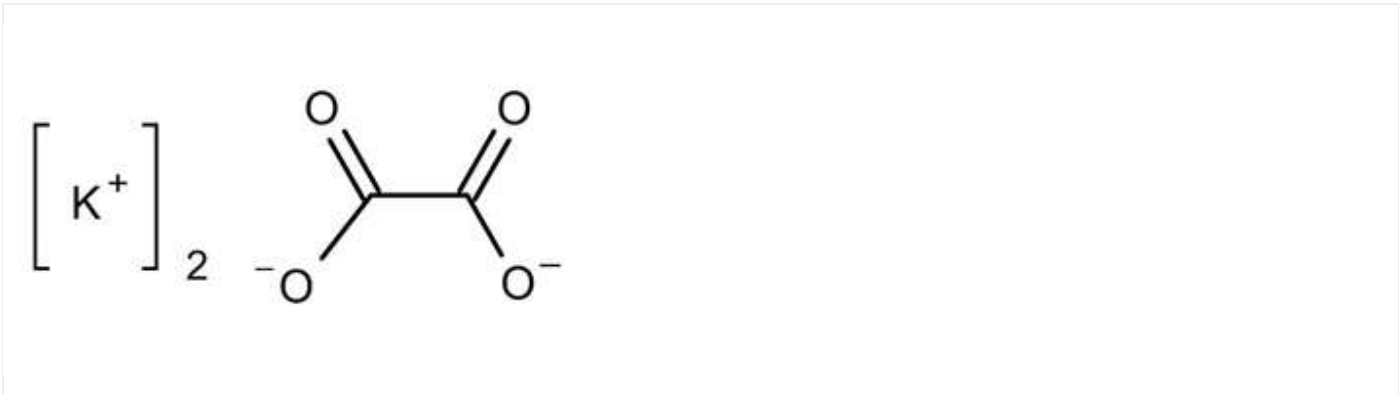
Hazardous Statement: H302-H312

Precaution Statement: P280

POTASSIUM OXALATE 99.5% AR

Oxalic acid potassium salt monohydrate

Product Code.	02149	Grade	
Purity	99.5%	CAS No.	6487-48-5
Molecular Formula	K2C2O4.H2O	Molecular Weight	184.23
H.S.Code	2917.11900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless Crystals	Odour	Odorless
pH value	7 - 8.5 at 50 g/l at 25 °C	Density [g/cm3]	2.127	Solubility in water [% weight]	30 g in 100 g water

Packaging

Specification

Appearance	Colorless powder
Assay (manganometric)	99.5 - 101%
Neutrality	Passes test
Insoluble matter	Max 0.01%
pH (5% solution in water)	7.0 - 8.5
Chloride (Cl)	Max 0.001%
Sulphate (SO4)	Max 0.01%

Ammonium (NH ₄)	Max 0.002%
Heavy metal (as Pb)	Max 0.001%
Iron (Fe)	Max 0.001%
Sodium (Na)	Max 0.02%
Reaction against H ₂ SO ₄	Passes test

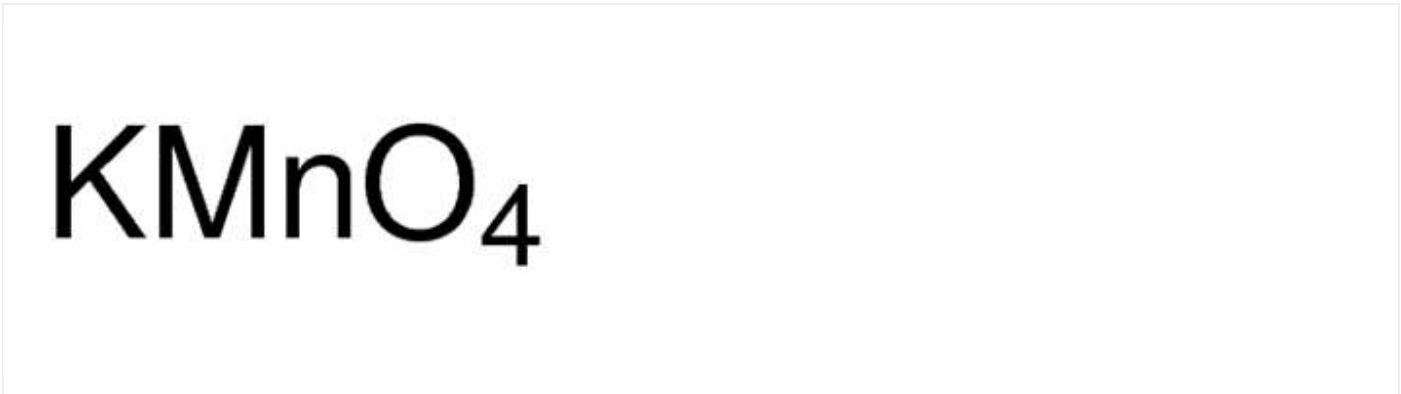
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H312 Precaution Statement: P280

POTASSIUM PERMANGANATE 99% AR

Potassium manganate(VII), Permanganate of potash

Product Code.	02152	Grade	
Purity	99.0%	CAS No.	7722-64-7
Molecular Formula	KMnO4	Molecular Weight	158.03
H.S.Code	2841.61000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Blackish Crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	240 °C	Vapour density	5.4	Density [g/cm3]	2.7
Solubility in water [% weight]	7 g in 100 g of water				

Packaging

Specification

Appearance	Blackish crystalline powder with metallic luster.
Assay (iodometric)	Min 99%
Substance insoluble in water	Max 0.2%
Chloride & chlorates (as Cl)	Max 0.005%
Sulphate (SO4)	Max 0.02%
Total nitrogen (N)	Max 0.005%

Heavy metal (as Pb)	Max 0.003%
Iron (Fe)	Max 0.005%
Loss on drying	Max 0.5%

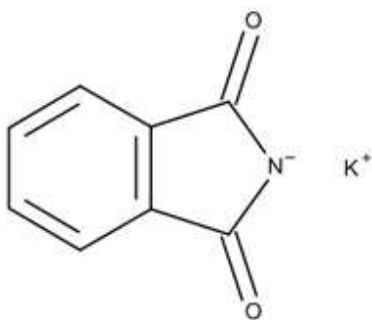
Safety Information and Hazard Symbols


Symbol: GHS03, GHS07, GHS09 Signal Word: Danger UN No.: 1490 IMCO Class No.: 5.1 Packing Group: II Hazardous Statement: H272-H302-H410 Precaution Statement: P220-P273-P501

POTASSIUM PHTHALIMIDE 98% FOR SYNTHESIS

1,3-Dihydro-1,3-dioxoisindole potassium salt; Phthalimide potassium salt

Product Code.	02166	Grade	
Purity	98%	CAS No.	1074-82-4
Molecular Formula	C8H4KNO2	Molecular Weight	185.23
H.S.Code	2925.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Odorless
Melting point/ Freezing point [°C]	> 300 °C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	white to yellowish or greenish crystalline powder
Assay (by HClO4 titration)	Min 98%

Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

POTASSIUM SILICATE SOLUTION

Product Code.	02173	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	2839.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless viscous	Odour	Odorless
pH value	11 - 12	Density [g/cm3]	1.39	Solubility in water [% weight]	Soluble in water

Packaging

Specification

Appearance	A viscous, clear solution
Weight/ mL at 20°C	About 1.33 g

Safety Information and Hazard Symbols

POTASSIUM SILLICOFLUORIDE 98% EXTRAPURE

Potassium hexafluorosilicate

Product Code.	02174	Grade	
Purity	98%	CAS No.	16871-90-2
Molecular Formula	K2SiF6	Molecular Weight	220.25
H.S.Code	2826.20200	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White	Odour	odorless
Decomposition point [°C]	500°C	Solubility in water [% weight]	Negligible		

Packaging

Specification

Appearance	White powder
Assay (on anhydrous basis)	Min 98%
Potassium fluoride (KF)	Max 1%
Potassium sulphate (K2SO4)	Max 0.2%
Moisture content	Max 0.5%

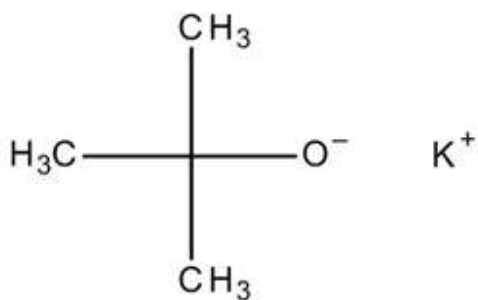
Safety Information and Hazard Symbols


Symbol: GHS06 Signal Word: Danger UN No.: 2655 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301-H311-H331 Precaution Statement: P261-P280-P301 + P310-P311

POTASSIUM TERT-BUTOXIDE 98% EXTRAPURE

Potassium tert-butyate, Potassium t-butoxide

Product Code.	02181	Grade	Extrapure
Purity	98%	CAS No.	865-47-4
Molecular Formula	C ₄ H ₉ .KO	Molecular Weight	112.22
H.S.Code	2905.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	256 - 258 °C
Auto-ignition temperature [°C]	360°C	Flash point [°C]	256°C	Boiling point [°C]	275°C
Vapour density	3.9				

Specification

Appearance	White, light, hygroscopic powder
Assay	Min 98.0%
K ₂ CO ₃ and KOH	Max 1%

Safety Information and Hazard Symbols

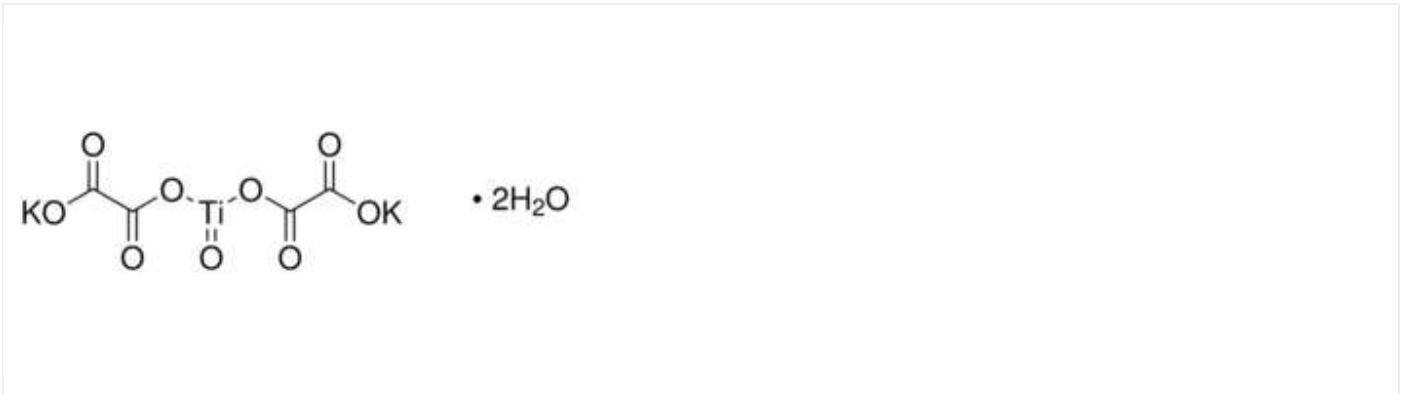


Symbol: GHS02, GHS05
Signal Word: Danger
UN No.: 3206
IMCO Class No.: 4.2
Packing Group: II
Hazardous Statement: H228-H252-H314
Precaution Statement: P210-P235 + P410-P280-P305 + P351 + P338-P310

POTASSIUM TITANIUM OXALATE 98.5% AR

Potassium titanium oxide oxalate dihydrate

Product Code.	02187	Grade	
Purity	98.5%	CAS No.	14402-67-6
Molecular Formula	K2TiO(C2O4)2.2H2O	Molecular Weight	354.17
H.S.Code	2917.11900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless

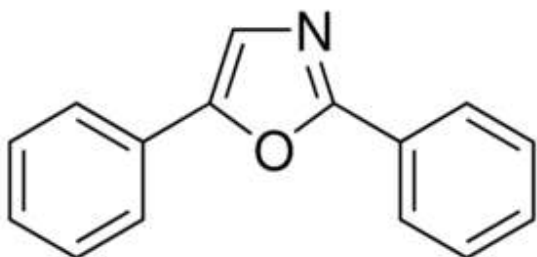
Specification

Appearance	A white crystalline powder
Assay	Min 98.5%
Insoluble matter	Max 0.005%
Reaction	pH 2.8 - 3.4
Chloride (Cl)	Max 0.001%
Nitrogen compounds (as N)	Max 0.005%
Sulphate (SO4)	Max 0.02%
Copper (Cu)	Max 0.005%
Iron (Fe)	Max 0.002%
Lead (Pb)	Max 0.005%

PPO 99% SCINTILLATION GRADE (2,5-DIPHENYLOXAZOLE)

2,5-Diphenyloxazole

Product Code.	02188	Grade	
Purity	99%	CAS No.	92-71-7
Molecular Formula	C15H11NO	Molecular Weight	221.26
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	72 - 74 °C	Boiling point [°C]	360 °C	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	4.67				

Specification

Appearance	White powder
Assay	Min 99%
Melting point	72 - 74 deg C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

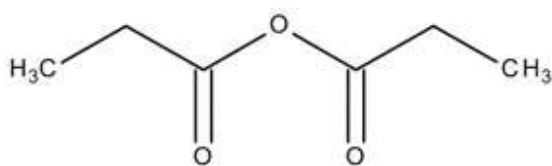
Hazardous Statement: H302-H319-H413

Precaution Statement: P305 + P351 + P338

PROPIONIC ANHYDRIDE 98% FOR SYNTHESIS

Decomposes in water Propanoic anhydride

Product Code.	02196	Grade	For Synthesis
Purity	98%	CAS No.	123-62-6
Molecular Formula	C6H10O3	Molecular Weight	130.14
H.S.Code	2915.50000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Pungent odour
pH value	3	Melting point/ Freezing point [°C]	-43 °C	Flash point [°C]	74 °C
Boiling point [°C]	167 °C	Vapour pressure [20°C]	1.3 mbar @ 20°C	Vapour density	4.49
Density [g/cm3]	1.015	Solubility in water [% weight]	Hydolysis	Explosion limits - upper [%]	11.90%
Explosion limits -lower [%]	1.48%				

Packaging

Specification

Appearance	Clear colourless liquid
Assay	Min 98.0%
Density (d20°C/4°C)	1.009 - 1.011
Refractive index (20°C; 589 nm)	~ 1.4040

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: Danger

UN No.: 2496

IMCO Class No.: 8

Packing Group: III

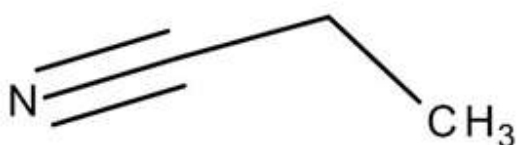
Hazardous Statement: H314

Precaution Statement: P280-P305 + P351 + P338-P310

PROPIONITRILE 99% FOR SYNTHESIS

Ethyl cyanide

Product Code.	02197	Grade	
Purity	99%	CAS No.	107-12-0
Molecular Formula	C3H5N	Molecular Weight	55.08
H.S.Code	2926.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-93 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	6 °C	Boiling point [°C]	97 °C
Vapour pressure [20°C]	39 mm Hg at 20 °C	Vapour pressure mm/Hg	39 mm Hg at 20 °C	Vapour density	1.9
Density [g/cm3]	0.782	Solubility in water [% weight]	Moderate		

Specification

Appearance	Clear colorless liquid
Assay	Min 99%
Density (d20°C/4°C)	0.781 - 0.783

Safety Information and Hazard Symbols



Symbol: GHS02, GHS06

Signal Word: Danger

UN No.: 2404

IMCO Class No.: 3,6.1

Packing Group: II

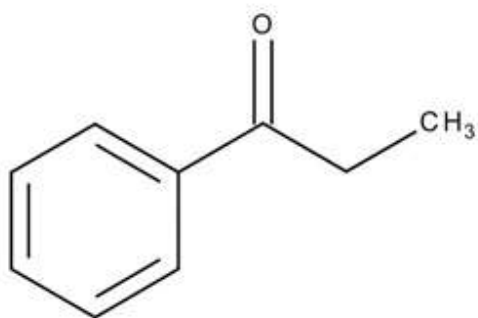
Hazardous Statement: H225-H300-H310-H319-H332

Precaution Statement: P210-P264-P280-P301 + P310-P302 + P350-P305 + P351 + P338

PROPIOPHENONE 99% FOR SYNTHESIS

Ethyl phenyl ketone

Product Code.	02198	Grade	
Purity	99%	CAS No.	93-55-0
Molecular Formula	C9H10O	Molecular Weight	134.18
H.S.Code	2914.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Light yellow	Melting point/ Freezing point [°C]	17 - 19 °C
Flash point [°C]	88 °C	Boiling point [°C]	218 °C	Density [g/cm3]	1.009
Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.19		

Packaging

Specification

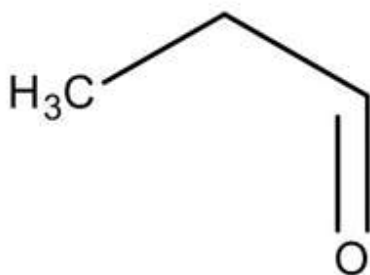
Appearance	Light yellow colored liquid
Assay (GC area %)	Min 99%
Density (d20°C/4°C)	1.009 - 1.010

Safety Information and Hazard Symbols

PROPLONALDEHYDE 98% FOR SYNTHESIS

Propanal

Product Code.	02194	Grade	For Synthesis
Purity	98%	CAS No.	123-38-6
Molecular Formula	C3H6O	Molecular Weight	58.08
H.S.Code	2912.19900	Shelf Life	24 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Stench
Melting point/ Freezing point [°C]	-81 °C	Auto-ignition temperature [°C]	175 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-40 °C	Boiling point [°C]	46 - 50 °C	Initial boiling point [°C]	46 °C
Final boiling point [°C]	50 °C	Vapour pressure [20°C]	343 hPa at 20 °C	Vapour density	1.8
Density [g/cm3]	0.807	Solubility in water [% weight]	Complete	Partition coefficient Log Pow octanol / water at 20°C	0.83
Explosion limits - upper [%]	16.10%	Explosion limits -lower [%]	2.60%		

Packaging

Specification

Appearance	Clear colorless liquid
Purity (by GC)	Min 98.0%
Density (d20°C/4°C)	0.798 - 0.803 g/ml

Water (H₂O)

Max 2%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1275

IMCO Class No.: 3

Packing Group: II

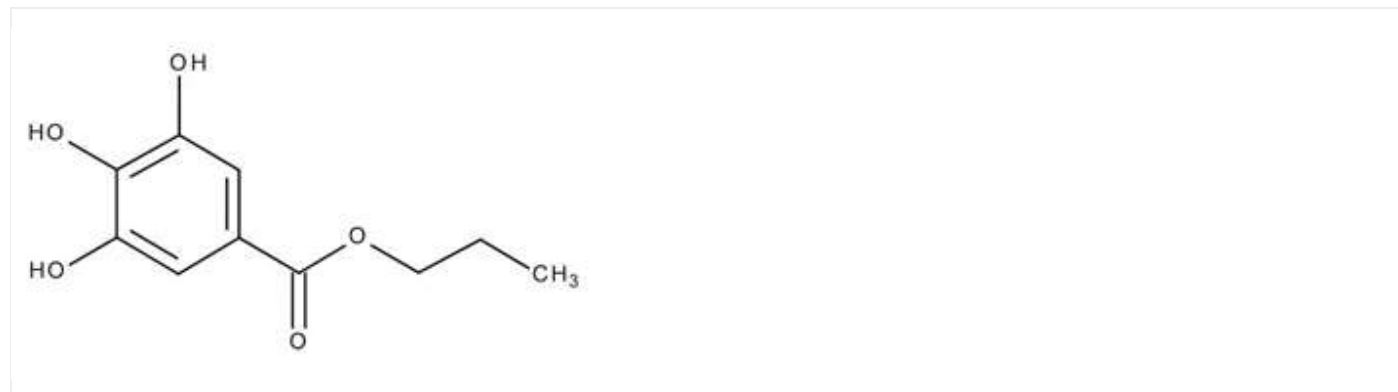
Hazardous Statement: H225-H315-H319-H335

Precaution Statement: P210-P261-P305 + P351 + P338

PROPYL GALLATE 98% EXTRAPURE

Confirms to IP, BP n-Propyl 3,4,5-trihydroxybenzoate

Product Code.	02215	Grade	Extrapure
Purity	98%	CAS No.	121-79-9
Molecular Formula	C ₁₀ H ₁₂ O ₅	Molecular Weight	212.20
H.S.Code	2918.29300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white powder	Odour	Odorless
pH value	5.7 - 6.3	Melting point/ Freezing point [°C]	146 - 149 °C	Auto-ignition temperature [°C]	438°C
Flash point [°C]	187 °C	Vapour density	7.3	Density [g/cm3]	1.21
Solubility in water [% weight]	Soluble in water	Partition coefficient Log Pow octanol / water at 20°C	1.51		

Packaging

Specification

Appearance	White to almost white powder
Assay	98 - 102%
Melting range	148 - 151°C
Appearance of solution	Passes test
Solubility	Passes test

Residue on ignition (as SO ₄)	Max 0.1%
Loss on drying (at 105°C)	Max 0.5%
Gallic acid	Max 0.5%
Total chlorine (as Cl)	Max 0.02%
Chloride (Cl)	Max 0.01%
Heavy metal (as Pb)	Max 0.001%
Zinc (Zn)	Max 0.0025%

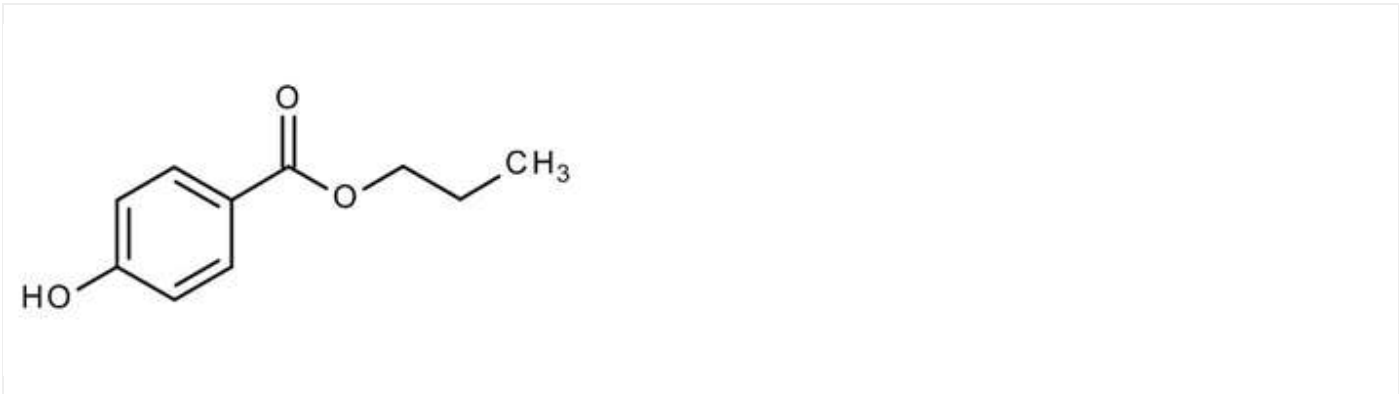
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H317 Precaution Statement: P280

PROPYL-P-HYDROXY BENZOATE 99.5% EXTRAPURE

Confirms to BP, USP Propyl paraben , PROPYL-4-HYDROXYBENZOATE

Product Code.	02216	Grade	
Purity	99%	CAS No.	94-13-3
Molecular Formula	C10H12O3	Molecular Weight	180.21
H.S.Code	2918.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	6.7	Melting point/ Freezing point [°C]	95 - 98 °C	Auto-ignition temperature [°C]	600°C
Flash point [°C]	180 °C	Vapour pressure mm/Hg	0.67 hPa @ 122°C	Solubility in water [% weight]	Negligible

Packaging

Specification

Appearance	White crystalline powder
Assay	99 - 100.5%
Identity	Passes test
Appearance of solution	Passes test
Impurities reacting acid	Passes test
Melting range	96 - 98 deg C
Heavy metal (as Pb)	Max 0.001%

Copper (Cu)	Max 0.0025%
Zinc (Zn)	Max 0.0025%
Arsenic (As)	Max 0.0003%
Loss on drying (at 80°C; 2 hrs)	Max 0.5%
Sulphated ash	Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

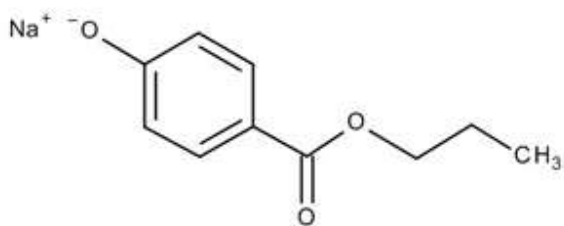
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

PROPYL-P-HYDROXY BENZOATE SODIUM SALT 99% EXTRAPURE

Confirms to BP, USP Propylis parahydroxybenzoas natrium, Sodium propyl 4-hydroxybenzoate; Propyl paraben sodium salt, nipasol sodium

Product Code.	02217	Grade	
Purity	99%	CAS No.	35285-69-9
Molecular Formula	C10H11NaO3	Molecular Weight	202.19
H.S.Code	2918.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	9 - 10	Melting point/ Freezing point [°C]	105 °C	Solubility in water [% weight]	1.000 g/l at 25 °C

Packaging

Specification

Appearance	White crystalline powder
Assay	Min 99%
Identity	Passes test
Appearance of solution	Passes test
pH (0.1% solution in water)	9.5 - 10.5
Chloride (Cl)	Max 0.035%
Sulphate (SO4)	Max 0.03%

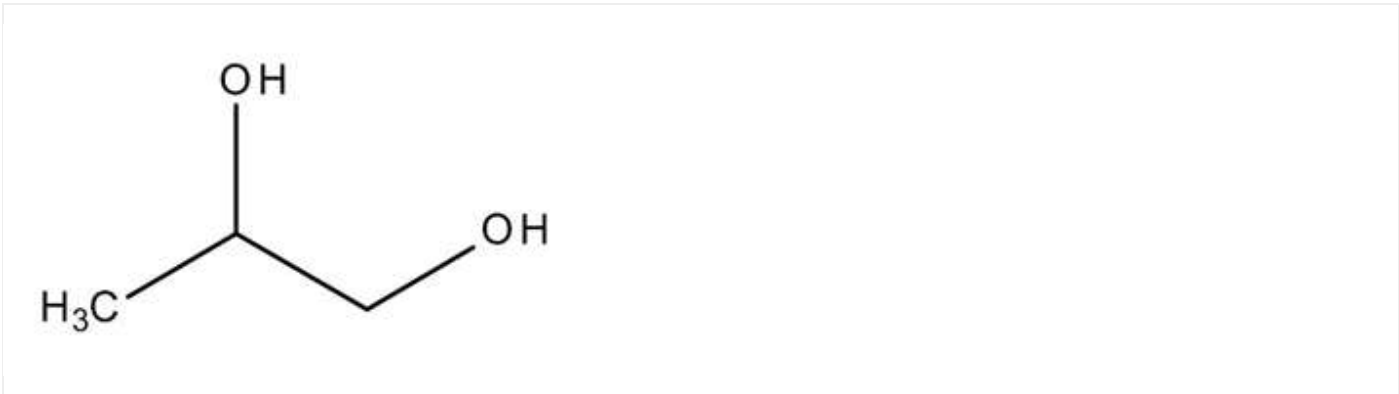
Heavy metal (as Pb)	Max 0.001%
Water (H2O)	Max 5%
Related Substances	Passes test

Safety Information and Hazard Symbols

PROPYLENE GLYCOL 99% EXTRAPURE

1,2-Propanediol

Product Code.	02212	Grade	
Purity	99%	CAS No.	57-55-6
Molecular Formula	C3H8O2	Molecular Weight	76.10
H.S.Code	2905.32000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
Melting point/ Freezing point [°C]	-60 °C	Auto-ignition temperature [°C]	371°C	Flash point [°C]	103 °C
Boiling point [°C]	187 °C	Vapour pressure [20°C]	0.11 hPa at 20 °C	Vapour density	2.63
Density [g/cm3]	1.036	Solubility in water [% weight]	Soluble in water	Partition coefficient Log Pow octanol / water at 20°C	-0.9
Explosion limits - upper [%]	12.50%	Explosion limits -lower [%]	2.60%		

Packaging

Specification

Appearance	Clear colourless liquid
Assay	Min 99%
Density (d20°C/4°C)	1.035 - 1.040
Refractive index (20°C; 589 nm)	1.4320 - 1.4330

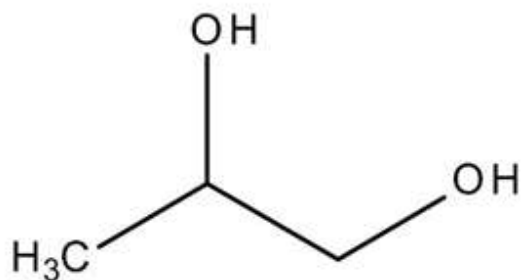
10% aqueous solution	Clear
Water (H2O)	Max 0.3%
Acidity or alkalinity	Max 0.3 ml N%

Safety Information and Hazard Symbols

PROPYLENE GLYCOL 99.5% AR (1,2 PROPANEDIOL)

Confirms to BP, USP 1,2-Propanediol

Product Code.	02213	Grade	AR
Purity	99.5%	CAS No.	57-55-6
Molecular Formula	C3H8O2	Molecular Weight	76.10
H.S.Code	2905.32000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
Melting point/ Freezing point [°C]	-60 °C	Auto-ignition temperature [°C]	371 °C	Flash point [°C]	103 °C
Boiling point [°C]	187 °C	Vapour pressure [20°C]	0.11 hPa at 20 °C	Vapour density	2.63
Density [g/cm3]	1.036	Solubility in water [% weight]	Soluble in water	Partition coefficient Log Pow octanol / water at 20°C	-0.9
Explosion limits - upper [%]	12.50%	Explosion limits -lower [%]	2.60%		

Packaging

Specification

Appearance	Clear colorless liquid
Purity (by GC)	Min 99.5%
Identity (IR)	Conforms
Identity D (Ph Eur))	Melting point of crystals formed on reaction - 121 to 128°C

Appearance of the substance	Passes test
Density (d20°C/4°C)	1.035 - 1.040 g/ml
Density (d25°C/25°C)	1.035 - 1.037 g/ml
Refractive index (20°C; 589 nm)	1.431 - 1.433
Boiling Point	184 - 189 °C
Acidity	Passes test
Chloride (Cl)	Max 0.007 %
Sulphate (SO4)	Max 0.006%
Heavy metal (as Pb)	Max 0.0005 %
Isomers of dipropylene glycol	Passes test
Diethylene glycol (GC)	Max 0.1%
Ethylene glycol (GC)	Max 0.1%
Residual solvents (ICH Q3C)	Excluded by production process
Oxidizing substances	Passes test
Reducing substance	Passes test
Sulphated ash	Max 0.007 %
Water (H2O)	Max 0.2%

Safety Information and Hazard Symbols

PUMICE FINE POWDER

Product Code.	02220	Grade	
Purity		CAS No.	1332-09-8
Molecular Formula		Molecular Weight	0.00
H.S.Code	2513.19000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White to light grey	Odour	Odorless
pH value	7.5 - 8.0	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	White to Grey Granules
Substance soluble in dilute HCl (as SO4)	Max 1%
Loss on ignition (at 900°C)	Max 5%

Safety Information and Hazard Symbols

PYRIDINIUM CHLOROCHROMATE 98% EXTRAPURE PCC

Product Code.	02225	Grade	
Purity	98%	CAS No.	26299-14-9
Molecular Formula	C ₅ H ₅ NCrO ₃ H	Molecular Weight	215.56
H.S.Code	2933.31000	Shelf Life	60 Months



Physical Properties

Packaging

Specification

Appearance	Orange colored powder/cryatals/chunk's
Assay (by Na ₂ S ₂ O ₃ titration)	98.0-102.0%

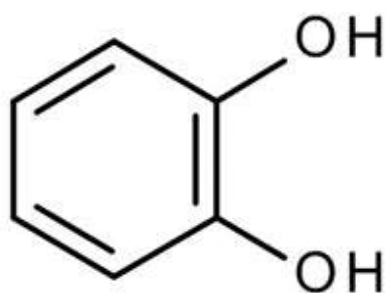
Safety Information and Hazard Symbols


Symbol: GHS03, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1479 IMCO Class No.: 5.1 Packing Group: II Hazardous Statement: H272-H317-H350i-H410 Precaution Statement: P201-P220-P273-P280-P308 + P313-P501

PYROCATECHOL 98% FOR SYNTHESIS

Catechol; 1,2-Benzenediol; 1,2-Dihydroxybenzene ; o-dihydroxybenzene

Product Code.	02229	Grade	For Synthesis
Purity	98%	CAS No.	120-80-9
Molecular Formula	C6H4(OH)2	Molecular Weight	110.11
H.S.Code	2907.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to brown	Melting point/ Freezing point [°C]	100 - 103 °C
Flash point [°C]	127 °C	Boiling point [°C]	245 °C	Vapour density	3.79
Density [g/cm3]	1.344	Solubility in water [% weight]	Soluble in cold water	Partition coefficient Log Pow octanol / water at 20°C	0.88
Explosion limits -lower [%]	1.97%				

Packaging

Specification

Appearance	***Off-white to grey-brown crystalline flakes
Purity (by GC)	Min 98%
Melting point	101 - 105°C
-	*** May darken on storage

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

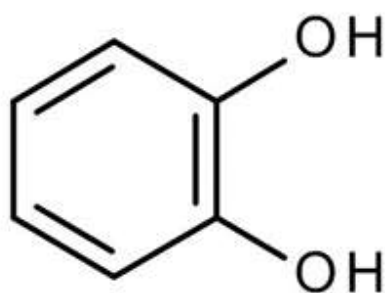
Hazardous Statement: H302-H312-H315-H319

Precaution Statement: P280-P305 + P351 + P338

PYROCATECHOL 99% AR

Catechol; 1,2-Benzenediol; 1,2-Dihydroxybenzene (o-dihydroxybenzene)

Product Code.	02230	Grade	
Purity	99%	CAS No.	120-80-9
Molecular Formula	C6H4(OH)2	Molecular Weight	110.11
H.S.Code	2907.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to brown	Melting point/ Freezing point [°C]	100 - 103 °C
Flash point [°C]	127 °C	Boiling point [°C]	245 °C	Vapour density	3.79
Density [g/cm3]	1.344	Solubility in water [% weight]	Soluble in cold water	Partition coefficient Log Pow octanol / water at 20°C	0.88
Explosion limits -lower [%]	1.97%				

Packaging

Specification

Appearance	Off-white to grey-brown ***crystalline flakes
Assay	Min 99%
Melting point	104 - 106°C
-	*** May darken on storage

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

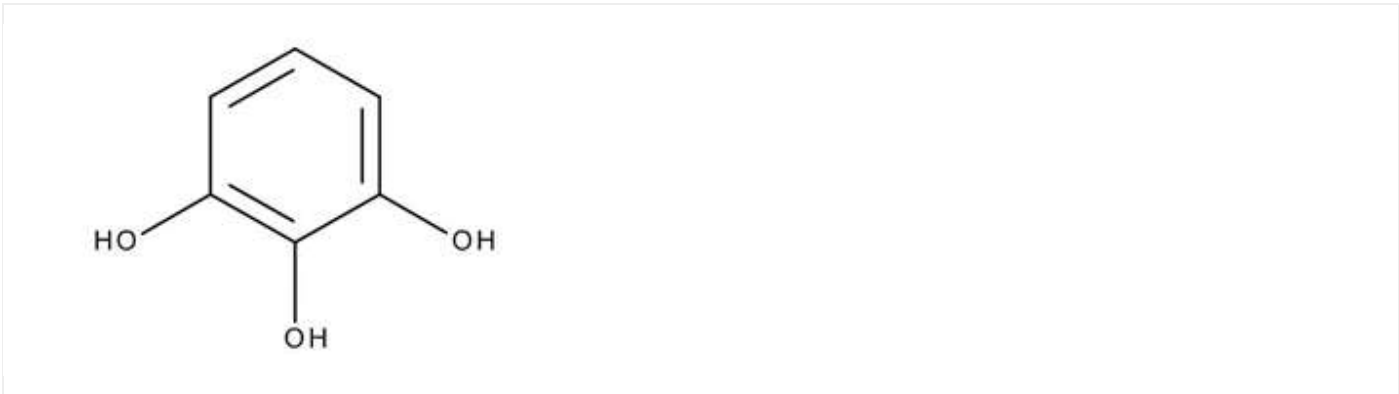
Hazardous Statement: H302-H312-H315-H319

Precaution Statement: P280-P305 + P351 + P338

PYROGALLOL 98% FOR SYNTHESIS

1,2,3- trihydroxybenzene ;pyrogalllic acid

Product Code.	02231	Grade	
Purity	98%	CAS No.	87-66-1
Molecular Formula	C6H6O3	Molecular Weight	126.11
H.S.Code	2907.29900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Characteristic odor
pH value	5.8 at 10 g/l	Melting point/ Freezing point [°C]	133 - 134 °C	Boiling point [°C]	309 °C
Vapour density	4.4	Density [g/cm3]	1.45	Solubility in water [% weight]	60g/100ml water @ 200C

Packaging

Specification

Appearance	White powder
Assay	Min 98%
Melting range	131 - 134 deg C

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Warning

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

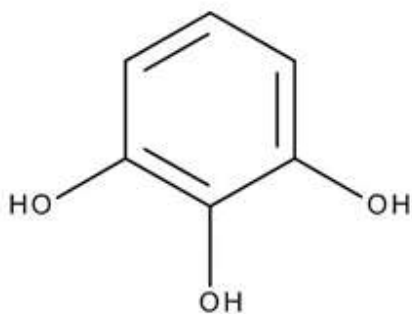
Hazardous Statement: H302-H312-H332-H341-H412

Precaution Statement: P273-P280

PYROGALLOL 98.5% AR

1,2,3-trihydroxybenzene ; pyrogalllic acid

Product Code.	02232	Grade	
Purity	98.5%	CAS No.	87-66-1
Molecular Formula	C6H6O3	Molecular Weight	126.11
H.S.Code	2907.29900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Characteristic odor
pH value	5.8 at 10 g/l	Melting point/ Freezing point [°C]	133 - 134 °C	Boiling point [°C]	309 °C
Vapour density	4.4	Density [g/cm3]	1.45	Solubility in water [% weight]	60g/100ml water @ 200C

Packaging

Specification

Appearance	White crystal or Crystalline powder
Assay	Min 98.5%
Melting point	131 - 135 deg C
Chloride (Cl)	Max 0.002%
Sulphate (SO4)	Max 0.005%

Ash content

Max 0.02%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Warning

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

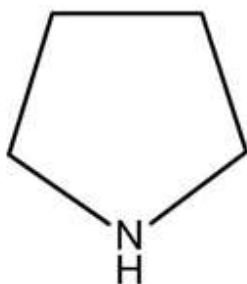
Hazardous Statement: H302-H312-H332-H341-H412

Precaution Statement: P273-P280

PYRROLIDINE 99%

Tetrahydropyrrole; Tetramethyleneimine

Product Code.	02236	Grade	
Purity	99%	CAS No.	123-75-1
Molecular Formula	C4H9N	Molecular Weight	71.12
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless fuming liquid	Odour	Penetrating amine odor
pH value	> 11	Melting point/ Freezing point [°C]	< -60 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	3°C	Boiling point [°C]	86 - 88 °C	Initial boiling point [°C]	86°C
Final boiling point [°C]	88 °C	Vapour pressure [20°C]	65.1 hPa at 20 °C	Vapour density	2.46
Density [g/cm3]	0.852	Solubility in water [% weight]	Miscible in water	Partition coefficient Log Pow octanol / water at 20°C	0.22
Explosion limits - upper [%]	10.60%	Explosion limits -lower [%]	1.60%		

Packaging

Specification

Appearance	Clear colorless to pale yellow liquid
Purity (by GC)	Min 99.0%
Density (d20°C/4°C)	0.859 - 0.861 g/ml

Water (H₂O)

Max 0.5%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS07

Signal Word: Danger

UN No.: 1922

IMCO Class No.: 3,8

Packing Group: II

Hazardous Statement: H225-H302-H314-H332

Precaution Statement: P210-P280-P305 + P351 + P338-P310

QUARTZ AR (FINE GRANULAR)
Washed and calcined.

Product Code.	02238	Grade	
Purity		CAS No.	14808-60-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	2506.29000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White granules	Odour	Odorless
pH value	9 - 11 at 20 g/l at 20 °C	Melting point/ Freezing point [°C]	1610 °C	Auto-ignition temperature [°C]	370 °C
Boiling point [°C]	2200 °C	Density [g/cm3]	2.6	Solubility in water [% weight]	Insoluble in water

Packaging

Specification

Appearance	White granules
Substance soluble in HCl	Max 0.05%
Loss on ignition (at 900°C)	Max 0.05%
Chloride (Cl)	Max 0.01%
Granulation (0.2 - 0.8 mm)	About 60%

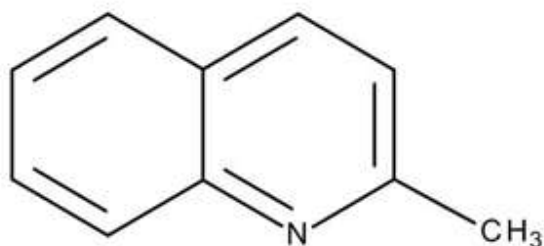
Safety Information and Hazard Symbols


Symbol: GHS08 Signal Word: Warning Hazardous Statement: H373

QUINAIDINE 98% FOR SYNTHESIS

2-Methylquinoline

Product Code.	02239	Grade	
Purity	98%	CAS No.	91-63-4
Molecular Formula	C10H9N	Molecular Weight	143.19
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear pale yellow	Odour	Characteristic odour
Melting point/ Freezing point [°C]	-9 - -3 °C	Flash point [°C]	79 °C	Boiling point [°C]	105 - 107 °C
Initial boiling point [°C]	105 °C	Final boiling point [°C]	107 °C	Density [g/cm3]	1.058
Solubility in water [% weight]	Partially soluble in water				

Specification

Appearance	Clear, pale yellow colored liquid with characteristic odor
Assay (GC area %)	Min 98%
Density (d20°C/4°C)	1.059 - 1.061

Safety Information and Hazard Symbols

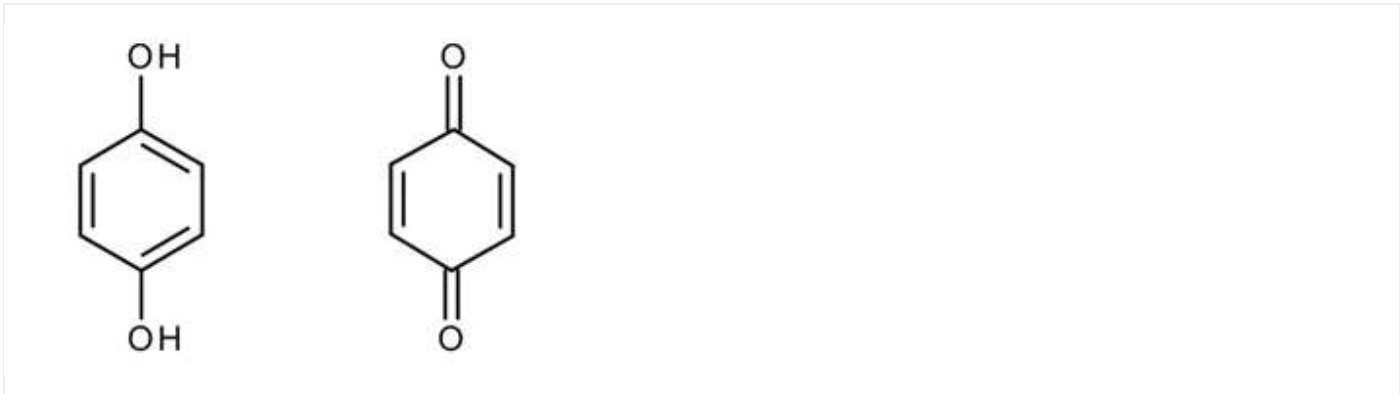


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302-H312
Precaution Statement: P280

QUINHYDRONE EXTRA PURE

Hydroquinone: benzoquinone 1:1 complex

Product Code.	02241	Grade	
Purity	97%	CAS No.	106-34-3
Molecular Formula	C6H4O2.C6H6O2	Molecular Weight	218.21
H.S.Code	2942.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Green to dark green	Melting point/ Freezing point [°C]	173 - 174 °C
Auto-ignition temperature [°C]	516°C	Flash point [°C]	165°C	Solubility in water [% weight]	Slightly soluble in cold water

Packaging

Specification

Appearance	Green to Dark Green Powder
Assay (HPLC, area%)	Min. 97%
Melting point	167 - 172°C
Suitability (for use in pH determinations)	Passes test
Sulphated ash	Max. 0.1%
Copper (Cu)	Max. 0.0025%
Iron (Fe)	Max. 0.02%

Lead (Pb)

Max. 0.0025%

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

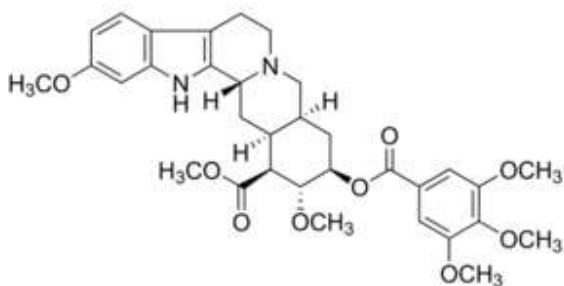
Hazardous Statement: H301-H315-H319-H335

Precaution Statement: P261-P301 + P310-P305 + P351 + P338

RESERPINE 99% EXTRAPURE

Methyl reserpate-3,4,5-trimethoxybenzoic acid; 3,4,5-Trimethoxybenzoyl methyl reserpate

Product Code.	02249	Grade	
Purity	99%	CAS No.	50-55-5
Molecular Formula	C33H40N2O9	Molecular Weight	608.70
H.S.Code	2936.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to slight yellow	Melting point/ Freezing point [°C]	265 °C
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	White to slight yellow crystalline powder
Assay	Min. 99.0%

Safety Information and Hazard Symbols

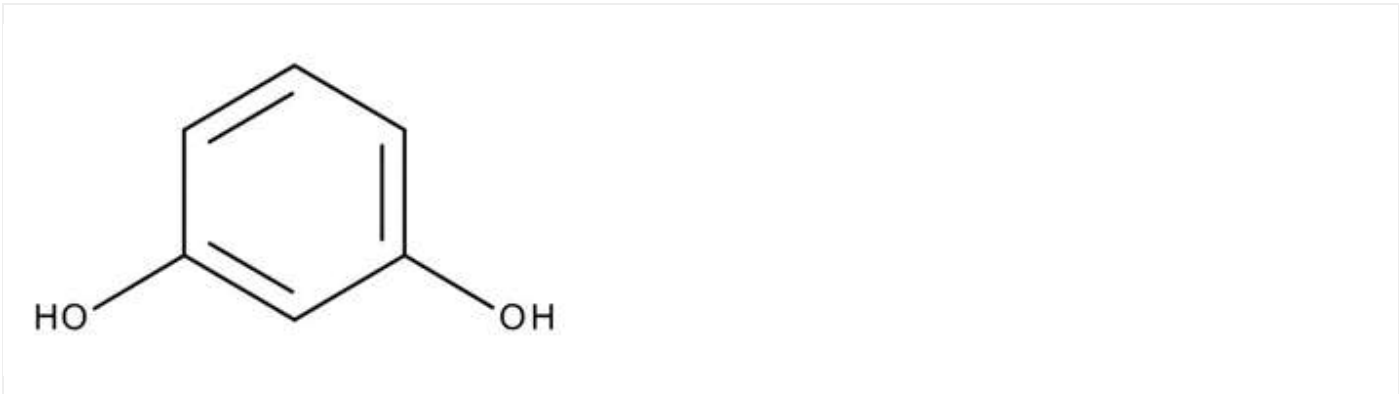


Symbol: GHS07, GHS08
Signal Word: Danger
UN No.: 1544
IMCO Class No.: 6.1
Packing Group: III
Hazardous Statement: H302-H312-H332-H351-H360D
Precaution Statement: P280-P281-P201-P308+P313-302+P352-P301+P312-P304+P340
Risk Statement: R20/21/22
Safety Statement: S26

RESORCINOL 99% AR

Confirming to BP/USP 1,3-Benzenediol

Product Code.	02251	Grade	
Purity	99%	CAS No.	108-46-3
Molecular Formula	C6H6O2	Molecular Weight	110.11
H.S.Code	2907.21000	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White flakes	Odour	Slight characteristic odor
pH value	5.2	Melting point/ Freezing point [°C]	109 - 112 °C	Auto-ignition temperature [°C]	608 °C
Flash point [°C]	127 °C	Boiling point [°C]	178 °C	Vapour pressure [20°C]	1 hPa at 20°C
Vapour density	3.8	Density [g/cm3]	1.27	Solubility in water [% weight]	Completely soluble in water
Partition coefficient Log Pow octanol / water at 20°C	0.8	Explosion limits -lower [%]	1.40%		

Packaging

Specification

Appearance	White to yellow-beige to pink color crystals, granules or flakes
Assay	99 - 100.5%

Insoluble matter in water	Max 0.01%
Acidity or alkalinity	Passes test
Melting range	109 - 111 deg C
Phenol	Max 0.1%
Sulphated ash	Max 0.01%
Loss on drying	Max 0.05%
Chloride (Cl)	Max 0.008%
Sulphate (SO4)	Max 0.02%
Pyrocatechol (C6H6O2)	Max 0.001%
Heavy metal (as Pb)	Max 0.0005%

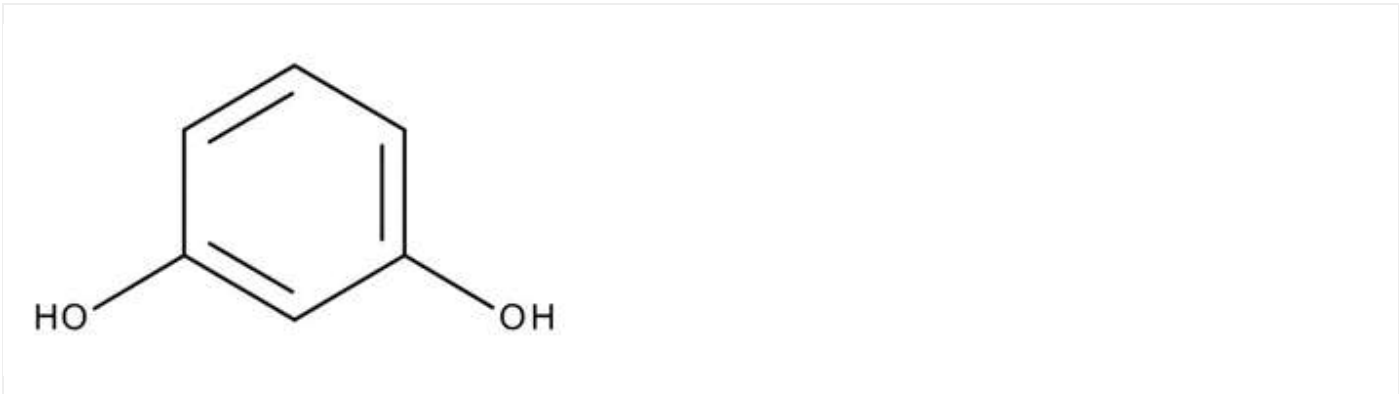
Safety Information and Hazard Symbols


Symbol: GHS07, GHS09 Signal Word: Warning UN No.: 2876 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H302-H315-H319-H400 Precaution Statement: P273-P305 + P351 + P338

RESORCINOL 99% EXTRAPURE

1,3-Benzenediol

Product Code.	02250	Grade	
Purity	99%	CAS No.	108-46-3
Molecular Formula	C6H6O2	Molecular Weight	110.11
H.S.Code	2907.21000	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White flakes	Odour	Slight characteristic odor
pH value	5.2	Melting point/ Freezing point [°C]	109 - 112 °C	Auto-ignition temperature [°C]	608 °C
Flash point [°C]	127 °C	Boiling point [°C]	178 °C	Vapour pressure [20°C]	1 hPa at 20°C
Vapour density	3.8	Density [g/cm3]	1.27	Solubility in water [% weight]	Completely soluble in water
Partition coefficient Log Pow octanol / water at 20°C	0.8	Explosion limits -lower [%]	1.40%		

Packaging

Specification

Appearance	White to yellow-beige to pink color crystals, granules or flakes
Assay	Min 99%

Melting point	108 - 111 deg C
Phenol	Passes test
Sulphated ash	Max 0.05%

Safety Information and Hazard Symbols


Symbol: GHS07, GHS09 Signal Word: Warning UN No.: 2876 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H302-H315-H319-H400 Precaution Statement: P273-P305 + P351 + P338

RHODIZONIC ACID DISODIUM SALT 98%

Product Code.	2497A	Grade	
Purity	98%	CAS No.	523-21-7
Molecular Formula	C6O6Na2	Molecular Weight	214.04
H.S.Code	2914.39900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Bluish green crystals	Odour	Odorless
Melting point/ Freezing point [°C]	> 300 °C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

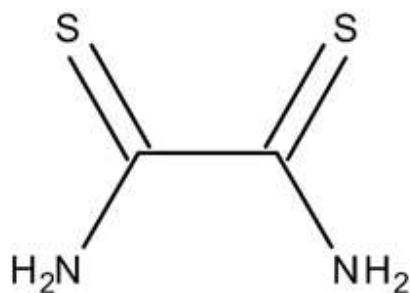
Appearance (Color)	Grey-green to dark green
Appearance (Form)	Crystalline powder
Infrared spectrum	Conforms
Titration with HClO4	>=97.5 %
UV Lambda max	317 to 320 nm (0.02 g/l in HCl 0.1M)
Specific absorbance A (1%/1cm)	>=450 (at lambda max)
Solubility	(0.2 % in water) Clear
Suitability	(for Ba determination) Passes test

Safety Information and Hazard Symbols

RUBEANIC ACID 98% AR

DITHIOOXAMIDE 98% AR

Product Code.	02262	Grade	
Purity	98%	CAS No.	79-40-3
Molecular Formula	C2H4N2S2	Molecular Weight	120.20
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange red	Melting point/ Freezing point [°C]	>= 300 °C

Packaging

Specification

Appearance	Orange red powder
Assay	Min 98%
Suitability (for the determination of copper)	Passes test

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

S-BENZYLTHIURONIUM CHLORIDE 98% FOR SYNTHESIS

S-Benzylisothiurea hydrochloride

Product Code.	00403	Grade	
Purity	98%	CAS No.	538-28-3
Molecular Formula	C8H11ClN2S	Molecular Weight	202.71
H.S.Code	2930.90990	Shelf Life	60 Months



• HCl

Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless	Melting point/ Freezing point [°C]	177 - 179 °C

Packaging



Specification

Appearance	White crystalline powder
Assay	Min 98%
Melting range	173 - 176 °C

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: II

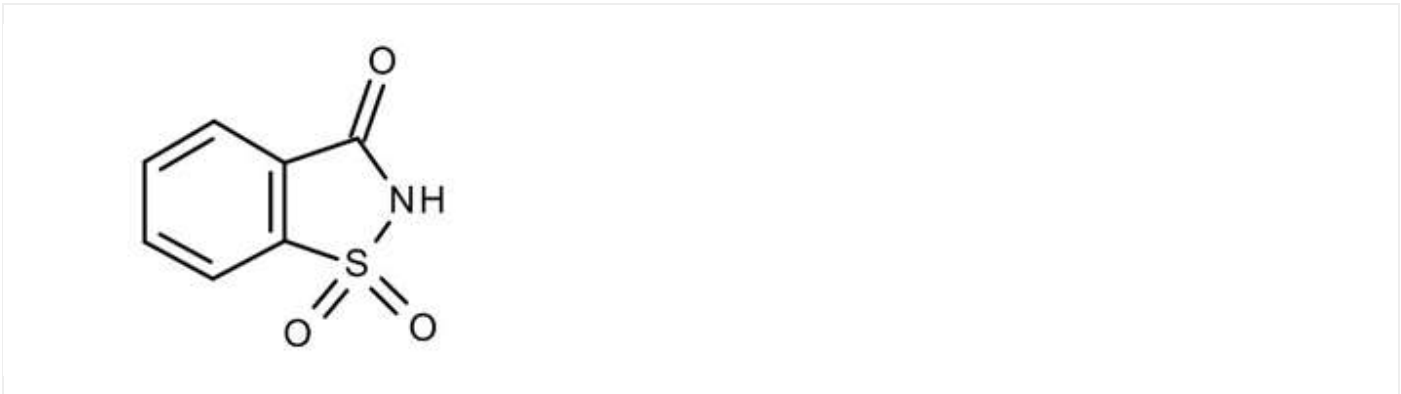
Hazardous Statement: H300

Precaution Statement: P264-P301 + P310

SACCHARIN INSOLUBLE 99% EXTRAPURE

o-Benzoic acid sulphamide

Product Code.	02269	Grade	Extrapure
Purity	99%	CAS No.	81-07-2
Molecular Formula	C7H5NO3S	Molecular Weight	183.18
H.S.Code	2925.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	226 - 229 °C	Density [g/cm3]	0.828	Solubility in water [% weight]	Slightly soluble in water

Packaging

Specification

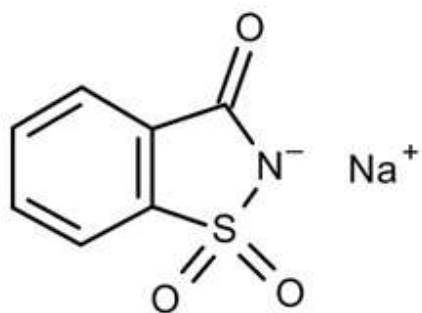
Appearance	White crystalline powder
Assay	Min 99.0%
Melting point	226 - 230°C

Safety Information and Hazard Symbols

SACCHARIN SODIUM DIHYDRATE 98% EXTRAPURE

o-Sulfobenzimide sodium salt, Saccharin sodium salt dihydrate, Saccharin soluble

Product Code.	02270	Grade	
Purity	98%	CAS No.	6155-57-3
Molecular Formula	C7H4NNaO3S.2H2O	Molecular Weight	241.19
H.S.Code	2925.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	6 - 7.5	Melting point/ Freezing point [°C]	230°C	Decomposition point [°C]	230°C
Flash point [°C]	> 200°C	Solubility in water [% weight]	1000 g/l in water (200C)	Partition coefficient Log Pow octanol / water at 20°C	0.45

Packaging

Specification

Appearance	Colorless crystals
Assay (on anhydrous basis)	Min 98%
Loss on drying	12 - 16%
Melting point of isolated saccharin	Min 226 deg C
Free acid	Max 0.5 ml N%
Free alkali	Max 0.5 ml N%

Arsenic (As)	Max 0.0002%
Lead (Pb)	Max 0.001%

Safety Information and Hazard Symbols

SAPONIN EXTRA PURE

Detergent used for the direct determination of metals in milk by flame atomic absorption Spectrophotometry.

Product Code.	02281	Grade	Extra Pure
Purity		CAS No.	8047-15-2
Molecular Formula		Molecular Weight	0.00
H.S.Code	2938.90900	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow crystalline	Odour	Odorless
Density [g/cm3]	1.015	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Yellow to yellow-tan crystalline powder
Insoluble matter in water	Max 0.1%
Loss on dryig (at 105°C)	Max 10%
Sulphated ash	Max 10%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319-H335 Precaution Statement: P261-P305 + P351 + P338

SEASAND EXTRAPURE

Product Code.	02284	Grade	
Purity		CAS No.	14808-60-7
Molecular Formula	SiO2	Molecular Weight	60.08
H.S.Code	2505.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Grey	Odour	Odorless
Melting point/ Freezing point [°C]	1610°C	Boiling point [°C]	2230°C	Density [g/cm3]	2.65
Solubility in water [% weight]	Insoluble in water				

Packaging

Specification

Appearance	White powder
Substance soluble in HCl	Max 0.5%
Chloride (Cl)	Max 0.01%
Loss on ignition (at 900°C)	Max 0.5%
Particle size	40-150 mesh

Safety Information and Hazard Symbols


Symbol: GHS08 Signal Word: Warning Hazardous Statement: H373

SEMICARBAZIDE HYDROCHLORIDE 98% FOR SYNTHESIS

N-Aminourea hydrochloride, Hydrazine carboxamide hydrochloride

Product Code.	02293	Grade	For Synthesis
Purity	98%	CAS No.	563-41-7
Molecular Formula	CH5N3O.HCl	Molecular Weight	111.53
H.S.Code	2928.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White Crystalline	Melting point/ Freezing point [°C]	175 - 177 °C
Solubility in water [% weight]	100 g/l at 20 °C				

Packaging

Specification

Appearance	White crystalline powder
Assay	Min.98%
Identity (IR)	Passes test

Safety Information and Hazard Symbols


Symbol: GHS06 Signal Word: Danger UN No.: 2811 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301 Precaution Statement: P301 + P310

SEMICARBAZIDE HYDROCHLORIDE 99.5% AR

N-Aminourea hydrochloride, Hydrazine carboxamide hydrochloride

Product Code.	02294	Grade	
Purity	99.5%	CAS No.	563-41-7
Molecular Formula	CH5N3O.HCl	Molecular Weight	111.53
H.S.Code	2928.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White Crystalline	Melting point/ Freezing point [°C]	175 - 177 °C
Solubility in water [% weight]	100 g/l at 20 °C				

Packaging

Specification

Appearance	White crystalline powder
Assay	Min 99.5%
Identity (IR)	Passes test
Substance insoluble in water	Max 0.02%
Hydrazine (N2H4)	Max 0.01%
Alcohol (GC)	Max 0.01%
Sulphated ash	Max 0.02%

Safety Information and Hazard Symbols


Symbol: GHS06 Signal Word: Danger UN No.: 2811 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301 Precaution Statement: P301 + P310

SHELLAC FLAKES ARSENIC FREE

Lacca

Product Code.	02297	Grade	
Purity		CAS No.	9000-59-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	1301.90990	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish orange scales	Odour	Faint odour
Melting point/ Freezing point [°C]	75°C	Density [g/cm3]	1.035 - 1.140		

Packaging

Specification

Appearance	Brownish orange thin scales with faint odor
Description	Brownish orange thin scale with a faint color
Solubility	Insoluble in water, completely soluble in alkali solution and borax
Acid value (mg KOH/gm)	50.0-70.0
Colophony	Passes test
Arsenic (As)	Max 0.002%
Heavy metal (as Pb)	Max 0.002%
Sulphated ash	Max 1.0%

Safety Information and Hazard Symbols

SILICA ACID (PRECIPITATED DRIED)

Confirms USP Specification

Product Code.	02308	Grade	
Purity	Min. 99%	CAS No.	1343-98-2
Molecular Formula	SiO2xH2O	Molecular Weight	60.08
H.S.Code	2811.19900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Density [g/cm3]	2.1	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	White fine powder
Chloride (Cl)	Max 0.1%
Sulphate (SO4)	Max 0.5%
Iron (Fe)	Max 0.03%
pH (3.3% solution in water)	3.0 - 8.0
Loss on ignition (2 hrs; 900°C)	Max 9%

Safety Information and Hazard Symbols

SILICA GEL (230-240 MESH)

Product Code.	02303	Grade	
Purity		CAS No.	112926-00-8
Molecular Formula		Molecular Weight	0.00
H.S.Code	0.00000	Shelf Life	60 Months

Physical Properties

Packaging

Specification

Appearance	Fine white free flowing powder
pH (10% slurry in water)	About 7.0
Mesh size :	-
Passing through 230	Min 90%
Passing through 400	Max 15%

Safety Information and Hazard Symbols

SILICA GEL (70-230 MESH) FOR COLUMN CHROMATOGRAPHY

Product Code.	2300A	Grade	For Column Chromatography
Purity		CAS No.	112926-00-8
Molecular Formula		Molecular Weight	0.00
H.S.Code	2811.22000	Shelf Life	60 Months

Physical Properties

Packaging

Specification

Appearance	White crystalline powder
pH (10% suspension)	6.5 – 7.5
Iron (Fe)	Max.0.02%
Loss on drying (at 150°C; 4 hrs)	Max.7.0%
Particle size	-
Coarser than 70 Mesh	Max 2.0%
Finer than 230 Mesh	Max 7.0%

Safety Information and Hazard Symbols

SILICON DIOXIDE EXTRAPURE

Cristobalite, Quartz, Sand, Silica

Product Code.	02310	Grade	Extrapure
Purity	99%	CAS No.	60676-86-0
Molecular Formula	SiO2	Molecular Weight	60.08
H.S.Code	2811.22000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	4 - 8	Melting point/ Freezing point [°C]	> 1.600 °C	Boiling point [°C]	2.230 °C
Density [g/cm3]	2.2 - 2.6	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	White fine powder
Particle size	40-150 Mesh

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Warning Hazardous Statement: H319-H335-H373 Precaution Statement: P261-P305 + P351 + P338

SILICON HIGH VACUUM GREASE

For vacuum systems, valves & stop cocks, Non-toxic lubricant & sealant

Product Code.	02311	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3910.00100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Off white greasy	Odour	Odorless
Auto-ignition temperature [°C]	450°C	Flash point [°C]	> 300°C	Vapour pressure [20°C]	0.1 hPa at 20 °C
Density [g/cm3]	0.97	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

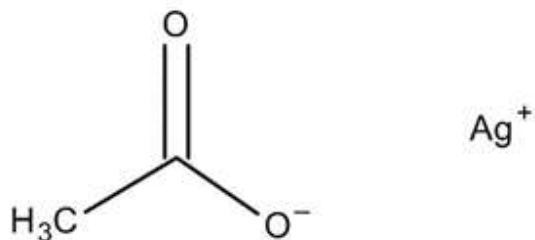
Appearance	Off white greasy solid
Temperature	40 to 250°C
pressure	Upto 10 raise to-6 mm

Safety Information and Hazard Symbols

SILVER ACETATE 98% EXTRAPURE

Acetic acid silver salt

Product Code.	02317	Grade	for synthesis
Purity	98%	CAS No.	563-63-3
Molecular Formula	CH ₃ COOAg	Molecular Weight	166.91
H.S.Code	2843.29000	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white powder	Odour	Slight acidic odor
Decomposition point [°C]	200°C	Density [g/cm ³]	3.259	Solubility in water [% weight]	1.02 g/100 g water @ 200C
Partition coefficient Log Pow octanol / water at 20°C	-0.17				

Specification

Appearance	White or off-white powder
Assay	Min 98%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

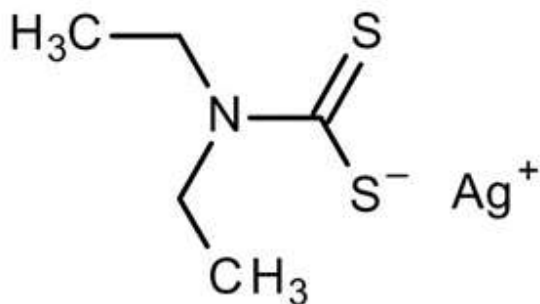
Hazardous Statement: H315-H319-H335-H400

Precaution Statement: P261-P273-P305 + P351 + P338

SILVER DIETHYL DITHIOCARAMATE 99% AR

DETC, Diethyldithiocarbamic acid silver salt

Product Code.	02320A	Grade	AR
Purity	99%	CAS No.	1470-61-7
Molecular Formula	C ₅ H ₁₀ NS ₂ Ag	Molecular Weight	256.14
H.S.Code	2843.29000	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light yellow	Odour	Characteristic odour
Melting point/ Freezing point [°C]	172 - 175 °C	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	Greenish yellow powder
Assay	Min 99%
Solution in pyridine	Passes test
Sensitivity as reagent for arsenic	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

SODA LIME (GRANULARS)

For absorbing carbon dioxide

Product Code.	02337	Grade	
Purity		CAS No.	8006-28-8
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Pink crystals	pH value	Basic
Solubility in water [% weight]	Reacts with water				

Packaging

Specification

Appearance	Pink crystals
CO2 absorption capacity	Min. 28.0%
Loss on drying (at 105°C)	13.0 - 18.0%
Colour change	Pink to white

Safety Information and Hazard Symbols


Symbol: GHS05 Signal Word: Danger UN No.: 1907 IMCO Class No.: 8 Packing Group: III Hazardous Statement: H314 Precaution Statement: P280-P305 + P351 + P338-P310

SODIUM ALGINATE (FOOD GRADE)

Confirms to NF Sodium polymannuronate, Algin, Alginic acid sodium salt

Product Code.	02349	Grade	
Purity	91%	CAS No.	9005-38-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	3913.10100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Cream coloured powder	Odour	Odorless
Melting point/ Freezing point [°C]	>300°C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Cream to pale yellowish brown colored powder
Assay	91.0 - 106.0%
Identification 'A' & 'B'	To comply USP test
Loss on dryig (at 105°C; 4 hrs)	Max 15.0%
Arsenic (As)	Max 0.00015%
Total ash	18-27%
Lead (Pb)	Max 0.0005%
Heavy metal (as Pb)	Max 0.004%
Viscosity (1% w/w solution; 25°C; on dry basis)	Min 30 cps
Microbial Limits	To comply USP test

Safety Information and Hazard Symbols

SODIUM AZIDE 99% EXTRAPURE

Hydrazoic acid sodium salt

Product Code.	02357	Grade	Extrapure
Purity	99%	CAS No.	26628-22-8
Molecular Formula	NaN ₃	Molecular Weight	65.01
H.S.Code	2850.00300	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	10 at 65 g/l at 25 °C	Melting point/ Freezing point [°C]	275 °C	Vapour pressure [20°C]	0.01 hPa at 20 °C
Vapour density	2.2	Density [g/cm ³]	1.85	Solubility in water [% weight]	42 g/100 g water @ 170C

Specification

Appearance	White crystalline powder
Assay (oxidimetric)	Min 99.0%
Insoluble matter in water	Max 0.3%
Loss on drying (in vacuum)	Max 0.1%
Alkalinity (as NaOH)	Max 0.1%
Chloride (NaCl)	Max 0.05%

Safety Information and Hazard Symbols

 
Symbol: GHS06, GHS09 Signal Word: Danger UN No.: 1687 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H300-H410 Precaution Statement: P264-P273-P301 + P310-P501

SODIUM AZIDE 99.5% AR

Hydrazoic acid sodium salt

Product Code.	02358	Grade	AR
Purity	99.5%	CAS No.	26628-22-8
Molecular Formula	NaN3	Molecular Weight	65.01
H.S.Code	2850.00300	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	10 at 65 g/l at 25 °C	Melting point/ Freezing point [°C]	275 °C	Vapour pressure [20°C]	0.01 hPa at 20 °C
Vapour density	2.2	Density [g/cm3]	1.85	Solubility in water [% weight]	42 g/100 g water @ 170C

Packaging

Specification

Appearance	White crystalline powder
Assay	Min 99.5%
Insoluble matter	Max 0.005%
Chloride (Cl)	Max 0.005%
Sulphate (SO4)	Max 0.005%
Chromium (Cr)	Max 0.005%
Copper (Cu)	Max 0.005%
Iron (Fe)	Max 0.005%
Lead (Pb)	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS06, GHS09

Signal Word: Danger

UN No.: 1687

IMCO Class No.: 6.1

Packing Group: II

Hazardous Statement: H300-H410

Precaution Statement: P264-P273-P301 + P310-P501

SODIUM BOROHYDRIDE 97% EXTRAPURE

Sodium tetrahydridoborate

Product Code.	02372	Grade	Extrapure
Purity	97%	CAS No.	16940-66-2
Molecular Formula	NaBH4	Molecular Weight	37.83
H.S.Code	2850.00100	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystals	Odour	Odorless
Melting point/ Freezing point [°C]	400 °C	Boiling point [°C]	400°C	Vapour density	1.3
Density [g/cm3]	1.074	Solubility in water [% weight]	Soluble in water	Explosion limits -lower [%]	3.02%

Specification

Appearance	White hygroscopic crystals
Assay	Min 97.0%
Chloride (Cl)	Max 0.5%
Sulphate (SO4)	Max 0.01%
Copper (Cu)	Max 0.005%
Lead (Pb)	Max 0.005%
Iron (Fe)	Max 0.005%
Zinc (Zn)	Max 0.005%
Cadmium (Cd)	Max 0.005%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS06 Signal Word: Danger UN No.: 1426 IMCO Class No.: 4.3 Packing Group: I Hazardous Statement: H260-H301-H311-H314 Precaution Statement: P223-P231 + P232-P280-P301 + P310-P370 + P378-P422

SODIUM CHLORIDE SATURATED SOLUTION

Physiological saline

Product Code.	02384	Grade	
Purity	0.85%	CAS No.	7647-14-5
Molecular Formula		Molecular Weight	0.00
H.S.Code	2501.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
Boiling point [°C]	100°C	Vapour pressure [20°C]	17.535 mm of Hg (@ 20°C)	Vapour pressure mm/Hg	17.535 mm of Hg (@ 20°C)
Vapour density	0.62	Density [g/cm3]	1	Solubility in water [% weight]	Soluble in water

Packaging

Specification

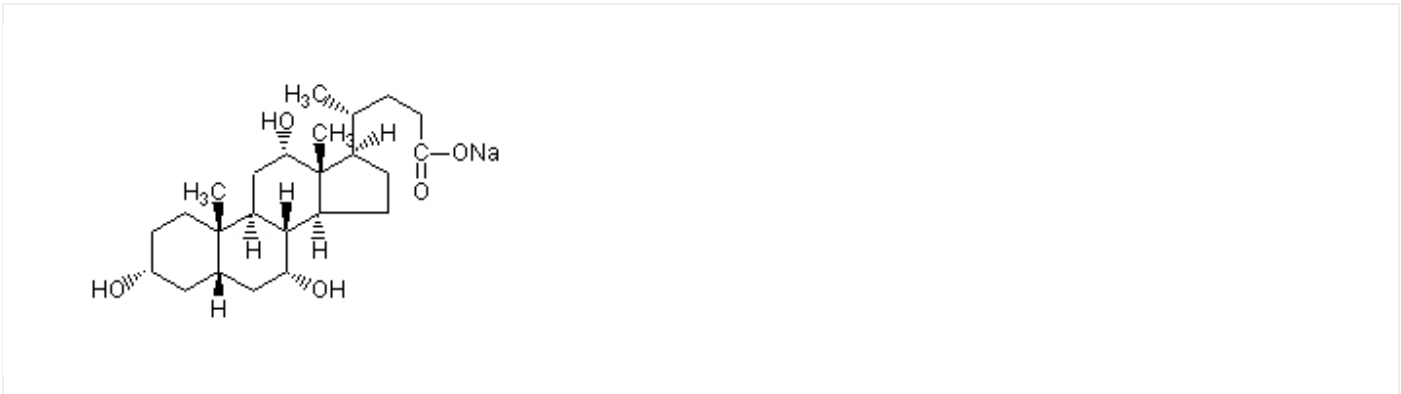
Appearance	A clear colourless solution
Sodium chloride (NaCl)	0.85%
Pyrogen test	Passes test

Safety Information and Hazard Symbols

SODIUM CHOLATE 98% FOR BIOCHEMISTRY

Cholic acid sodium salt

Product Code.	02389	Grade	
Purity	98%	CAS No.	361-09-1
Molecular Formula	C24H39NaO5	Molecular Weight	430.56
H.S.Code	2918.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	White to off-white powder
Assay	98.0-101.0%
Chloride (Cl)	Max 0.002%
Desoxycholic acid (TLC)	Max 0.5%

Safety Information and Hazard Symbols

SODIUM CYANATE 85% EXTRAPURE

Sodium isocyanate

Product Code.	02397	Grade	Extrapure
Purity	85%	CAS No.	917-61-3
Molecular Formula	NaOCN	Molecular Weight	65.01
H.S.Code	2842.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	550 °C	Density [g/cm3]	1.937	Partition coefficient Log Pow octanol / water at 20°C	5

Packaging

Specification

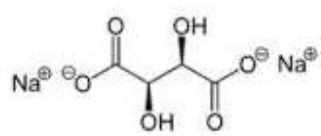
Appearance	White to off white crystalline powder
Assay (argentometric)	Min 85.0%
Water (H2O)	M\ax 0.5%
Sodium carbonate (Na2CO3)	Max 10%
Iron (Fe)	Max 20 ppm
Sodium chloride (NaCl)	Max 0.25%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H412 Precaution Statement: P273

SODIUM DL-TARTRATE ANHYDROUS 99.5% EXTRAPURE

Product Code.	02520	Grade	
Purity	99%	CAS No.	868-18-8
Molecular Formula	C4H4Na2O6	Molecular Weight	194.05
H.S.Code	2918.13900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Slight tartaric odor
pH value	7 - 9 at 50 g/l at 20 °C	Melting point/ Freezing point [°C]	120°C	Density [g/cm3]	1.82
Solubility in water [% weight]	29 g/100 g water at 60C				

Packaging

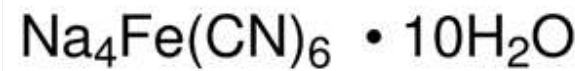
Specification

Appearance	White powder
Assay	Min 99%
Iron (Fe)	Max 0.004%
Lead (Pb)	Max 0.002%
Chloride (Cl)	Max 0.01%

SODIUM FERROCYANIDE DECAHYDRATE 99% EXTRA PURE

Sodium hexacyanoferrate(II); Tetrasodium hexacyanoferrate decahydrate

Product Code.	02406	Grade	
Purity	99%	CAS No.	14434-22-1
Molecular Formula	C6FeN6Na4.10H2O	Molecular Weight	484.06
H.S.Code	2837.20400	Shelf Life	60 Months



Physical Properties

Packaging

Specification

Appearance	Yellow crystalline powder
Assay	Min 99.0%
Sulphate (SO4)	Max 0.01%

Safety Information and Hazard Symbols

SODIUM FLUOROBORATE 97% EXTRAPURE

Sodium tetrafluoroborate

Product Code.	02409	Grade	
Purity	97%	CAS No.	13755-29-8
Molecular Formula	NaBF4	Molecular Weight	109.79
H.S.Code	2826.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	384 °C
Density [g/cm3]	2.47	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	A white powder
Assay	Min 97.0%
Iron (Fe)	Max 0.003%
Heavy metal (as Pb)	Max 0.003%
Chloride (Cl)	Max 0.1%
Sulphate (SO4)	Max 0.1%

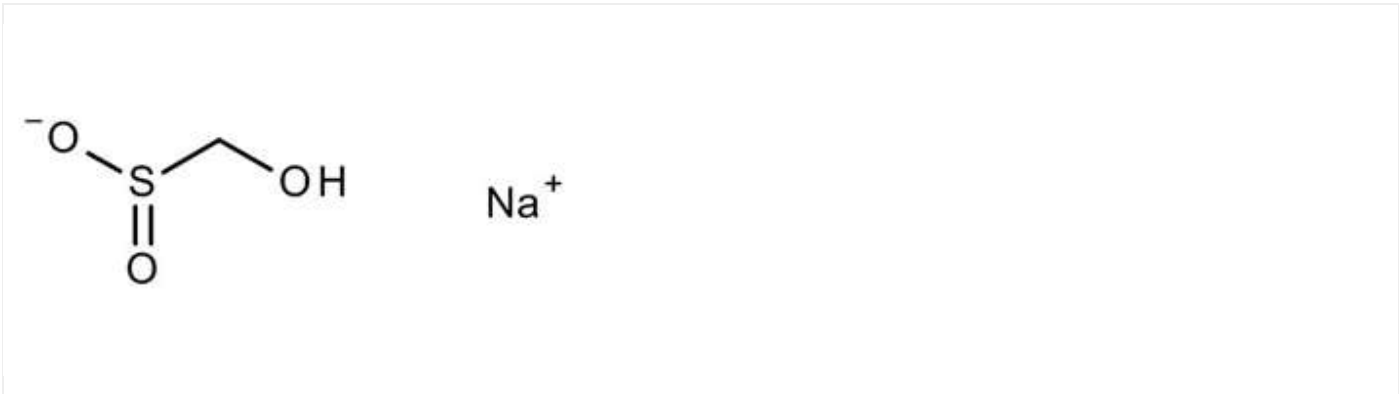
Safety Information and Hazard Symbols


Symbol: GHS05 Signal Word: Danger UN No.: 1759 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H314 Precaution Statement: P280-P301+P330+P331-P305+P351+P338-P308+P310 Risk Statement: 34 Safety Statement: 26-36/37/39-45

SODIUM FORMALDEHYDE SULFOXYLATE HYDRATE 45% EXTRAPURE

Confirms to IP, USP Sodium hydroxymethanesulfinate hydrate

Product Code.	02410	Grade	
Purity	45%	CAS No.	149-44-0
Molecular Formula	CH3NaO3S.xH2O	Molecular Weight	154.09
H.S.Code	2831.10200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White flakes	Odour	Odorless
pH value	9.5 - 10.5	Melting point/ Freezing point [°C]	120 °C	Flash point [°C]	> 100 °C
Solubility in water [% weight]	50 g/l at 20 °C				

Packaging

Specification

Appearance	White big flakes
Assay as SO2 (Iodometric on anhydrous substnace)	45 - 55%
Clarity and color of solution	Clear and colorless
Alkalinity	Passes test
pH (2% solution)	9.5 - 10.5
Sodium sulphite (Na2SO3)	Max 5%
Iron (Fe)	Max 0.001%

Sulphide (S)	Passes test
Loss on drying (at 105°C)	Max 27%

Safety Information and Hazard Symbols


Symbol: GHS08 Signal Word: Warning Hazardous Statement: H341 Precaution Statement: P281

SODIUM HYDRIDE SUSPENSION 60% EXTRAPURE

moistened with 60% in paraffin oil; highly flammable, corrosive An excellent reducing condensing alkylating agent and condensation reaction

Product Code.	02417	Grade	Extrapure
Purity	60%	CAS No.	7646-69-7
Molecular Formula	HNa	Molecular Weight	24.00
H.S.Code	2850.00100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light grey powder	Odour	Odorless
Melting point/ Freezing point [°C]	800°C	Density [g/cm3]	1.2	Solubility in water [% weight]	Insoluble in water

Packaging



Specification

Appearance	Light gray moist powder
Assay	Approx 60.0%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1427

IMCO Class No.: 4.3

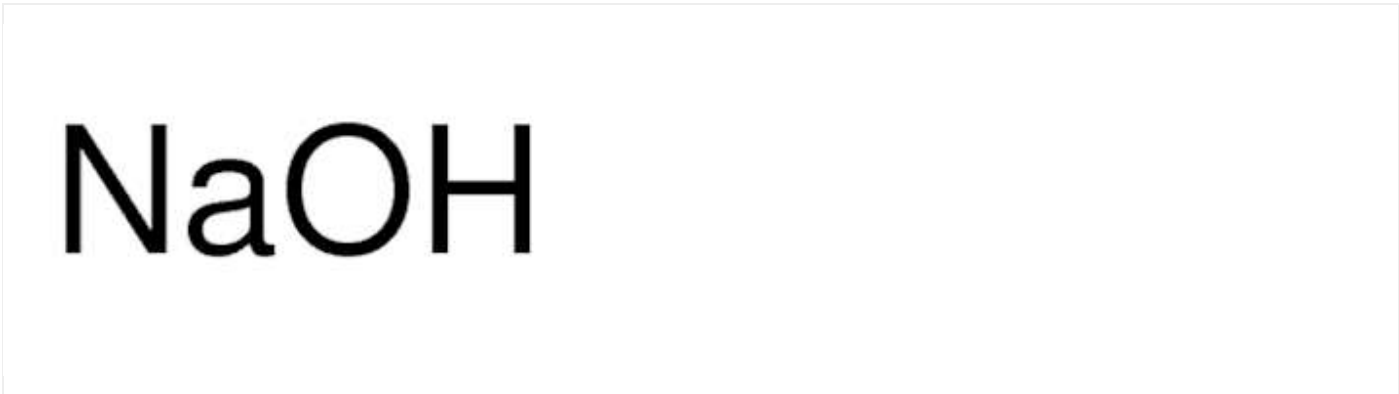
Packing Group: I

Hazardous Statement: H260-H319

Precaution Statement: P223-P231 + P232-P305 + P351 + P338-P370 + P378-P422

SODIUM HYDROXIDE 50% SOLUTION IN WATER AR

Product Code.	02424	Grade	
Purity	50%	CAS No.	1310-73-2
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
pH value	Alkaline	Boiling point [°C]	100 °C	Vapour pressure [20°C]	14 mm of Hg (@ 20°C)
Vapour pressure mm/Hg	14 mm of Hg (@ 20°C)	Vapour density	> 1	Density [g/cm3]	1
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	A clear colorless Liquid.
Assay (acidimetric)	49 - 51%
Colour scale	Max 20 APHA
Carbonate (as Na2CO3)	Max 0.2%

Chloride (Cl)	Max 0.005%
Phosphate (PO4)	Max 0.001%
Silicate (SiO2)	Max 0.005%
Sulphate (SO4)	Max 0.001%
Total nitrogen (N)	Max 0.0005%
Heavy metal (as Pb)	Max 0.0005%
Iron (Fe)	Max 0.0005%
Potassium (K)	Max 0.025%
Ammonium hydroxide precipitate	Max 0.01%

Safety Information and Hazard Symbols


Symbol: GHS05 Signal Word: Danger UN No.: 1824 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H314 Precaution Statement: P280-P305 + P351 + P338-P310

SODIUM HYPOCHLORITE SOLUTION (7 TO 12 %) CONCENTRATED SOLUTION

Product Code.	02436A	Grade	
Purity	10-12%	CAS No.	7681-52-9
Molecular Formula		Molecular Weight	0.00
H.S.Code	2828.90190	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Color	Colorless to yellowish	Density [g/cm3]	1.097
Solubility in water [% weight]	100% in Water	Vapour pressure [20°C]	23.3 hPa at 20 °C		

Packaging

Specification

Appearance	Clear, pale yellow coloured solution
Assay (Active chlorine)	7.0 - 12.0%
Density (at 20°C)	About 1.12 g/mL

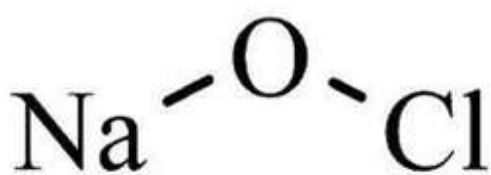
Safety Information and Hazard Symbols


Symbol: GHS05, GHS09 Signal Word: Danger UN No.: 1791 IMCO Class No.: 8 Packing Group: III Hazardous Statement: H314-H400 Precaution Statement: P273-P280-P305 + P351 + P338-P310

SODIUM HYPOCHLORITE SOLUTION CONTAIN ABOUT 4-6% AVAILABLE CHLORINE

A solution of sodium hypochlorite recommended for general disinfection of laboratory apparatus, benches, sinks, floors etc. Soda bleach; Liquid bleach (Available Chlorine 4 to 5% w/v approx.) Liquid, d. 1.12

Product Code.	02436	Grade	
Purity		CAS No.	7681-52-9
Molecular Formula		Molecular Weight	0.00
H.S.Code	2828.90190	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to yellowish	Vapour pressure [20°C]	23.3 hPa at 20 °C
Density [g/cm3]	1.097	Solubility in water [% weight]	100% in water		

Packaging



Specification

Appearance	Clear, pale yellow coloured solution
Assay (Active chlorine)	4.0 - 6.0%
Density (at 20°C)	About 1.12 g/mL

Safety Information and Hazard Symbols



Symbol: GHS05, GHS09

Signal Word: Danger

UN No.: 1791

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H314-H400

Precaution Statement: P273-P280-P305 + P351 + P338-P310

Sodium laureth sulphate

[Na+].[O-]S(=O)(=O)OC(CCO)nCCCCCCCCCCCCCCC

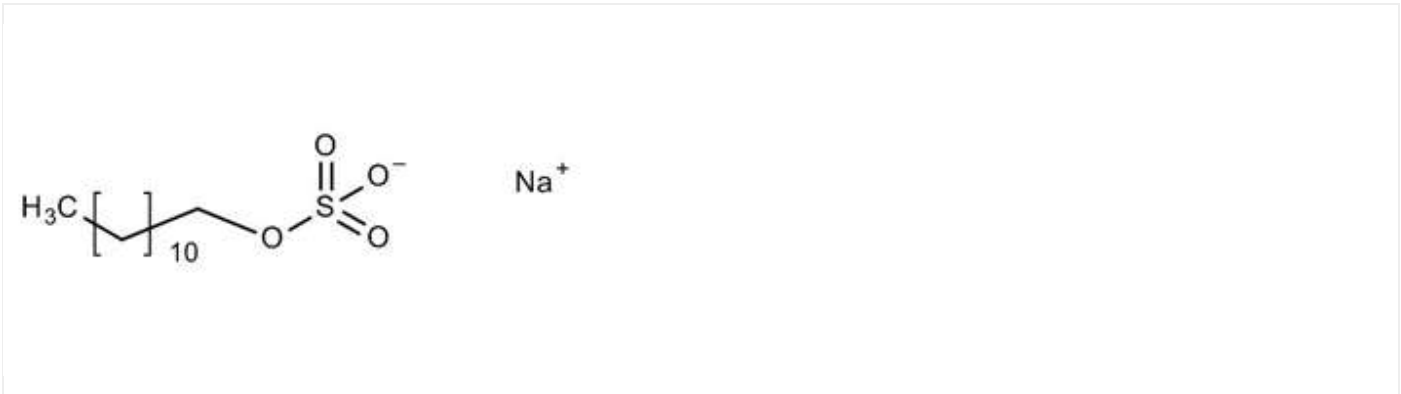
Physical state at 20 °C	Liquid	Colour	Clear viscous	Odour	Odorless

Appearance	A clear viscous liquid
Viscosity	2500 - 3000 cps
Active matter	28 - 30%
Chloride (NaCl)	Max 1.5%
Sulphate (SO4)	Max 1.5%

SODIUM LAURYL SULPHATE (NEEDLE-SHAPE)

Confirming to IP,BP Sodium dodecyl sulphate

Product Code.	02442	Grade	
Purity		CAS No.	151-21-3
Molecular Formula	C12H25NaO4S	Molecular Weight	288.38
H.S.Code	3402.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white to pale yellow	Odour	Slight fatty odour
pH value	7.2	Melting point/ Freezing point [°C]	204 - 207 °C	Flammability (solid, gas)	The substance or mixture is a flammable solid with the subcategory 1
Flash point [°C]	>100 °C	Density [g/cm3]	0.37	Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	1.6				

Packaging

Specification

Appearance	Off-white to pale yellow needles
Washing active substances	Min 91.0%

Density (at 25°C)	~ 450 g/l
pH (1% solution in water)	8.5-10.5
Sodium sulphate	~ 2.0%
Unsulphated fractions	Max 3.0%
Sodium Chloride (by AgNO3 titration)	Max 0.5%
Water (H2O)	Max 7.5%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS06 Signal Word: Danger UN No.: 2926 IMCO Class No.: 4.1 (6.1) Packing Group: II Hazardous Statement: H228-H302-H311-H315-H318-H335 Precaution Statement: P210-P261-P280-P305 + P351 + P338-P312

SODIUM METHOXIDE 30% SOLUTION IN METHANOL

Product Code.	02452	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Melting point/ Freezing point [°C]	< 6 °C
Auto-ignition temperature [°C]	463.89°C	Flash point [°C]	16.5 °C	Boiling point [°C]	93 °C
Vapour pressure [20°C]	34 hPa at 20 °C	Density [g/cm3]	0.97	Solubility in water [% weight]	Soluble in water
Explosion limits - upper [%]	26.50%	Explosion limits -lower [%]	5.50%		

Packaging

Specification

Appearance	Clear Colorless to light yellow liquid
Assay (acidimetric)	Approx. 30%
Density (d20°C/4°C)	0.968 - 0.972 g/ml

Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS06, GHS08 Signal Word: Danger UN No.: 1289 IMCO Class No.: 3,8 Packing Group: II Hazardous Statement: H225-H251-H301-H311-H314-H331-H370 Precaution Statement: P210-P235 + P410-P260-P280-P301 + P310-P305 + P351 + P338

SODIUM METHOXIDE 98% EXTRAPURE

Sodium methylate

Product Code.	02451	Grade	Extrapure
Purity	98%	CAS No.	124-41-4
Molecular Formula	NaOCH3	Molecular Weight	54.02
H.S.Code	2905.49000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	pH value	13
Melting point/ Freezing point [°C]	> 149°C	Flash point [°C]	33 °C	Vapour pressure [20°C]	67 hPa at 20 °C
Vapour density	1.87	Density [g/cm3]	0.97	Solubility in water [% weight]	Decomposed by water
Explosion limits - upper [%]	36%	Explosion limits -lower [%]	7%		

Specification

Appearance	White powder
Assay	Min 98.0%
Free alkali (as NaOH)	Max 1.0%

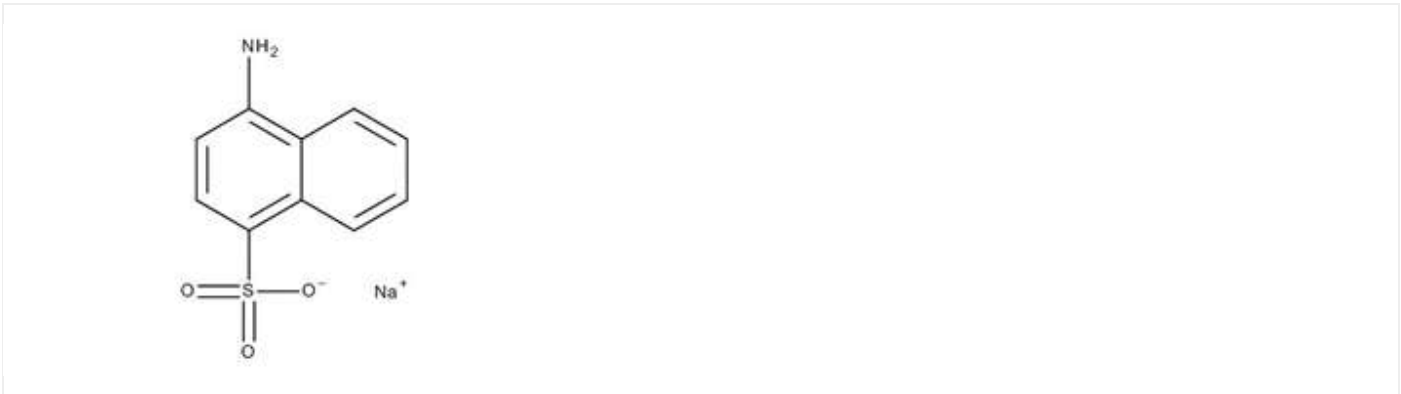
Safety Information and Hazard Symbols


Symbol: GHS02, GHS05 Signal Word: Danger UN No.: 1431 IMCO Class No.: 4.2, 8 Packing Group: II Hazardous Statement: H251-H314 Precaution Statement: P235 + P410-P280-P305 + P351 + P338-P310

SODIUM NAPHTHIONATE 98% EXTRAPURE

4-Amino Naphthalene Sulfonic Acid Sodium Salt; Naphthionic Acid Sodium Salt

Product Code.	02456	Grade	
Purity	98%	CAS No.	130-13-2
Molecular Formula	C10H8NNaO3S	Molecular Weight	245.23
H.S.Code	2921.45160	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Odorless

Packaging

Specification

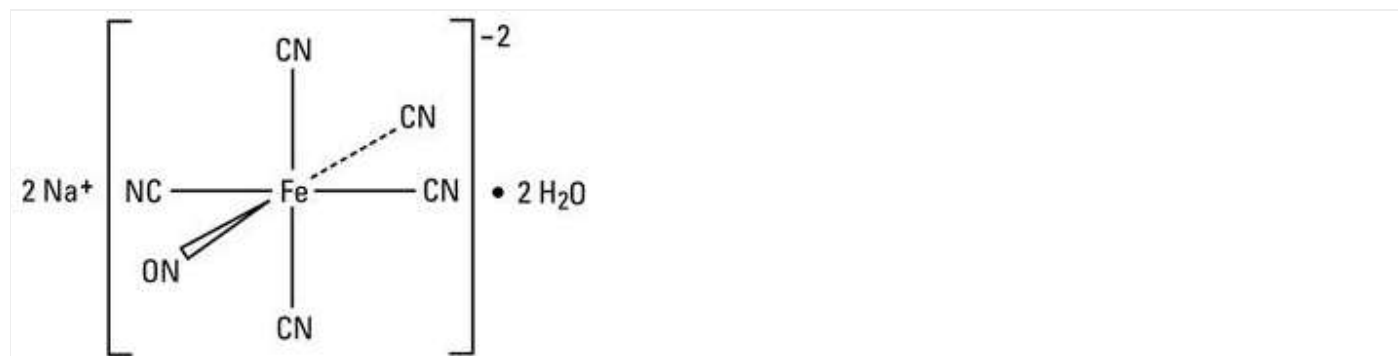
Appearance	Brownish gray color crystals
Assay (GC area %)	Min 98%
Water (H2O)	Max 3.0%

Safety Information and Hazard Symbols

SODIUM NITROPRUSSIDE 98% EXTRAPURE

Nitroprusside sodium SNP Sodium nitroferricyanide Sodium pentacyanonitrosylferrate

Product Code.	02467	Grade	Extrapure
Purity	98%	CAS No.	13755-38-9
Molecular Formula	Na ₂ [Fe(CN) ₅ NO].2H ₂ O	Molecular Weight	297.95
H.S.Code	2837.20500	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Ruby red	Odour	Odorless
pH value	5	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	Ruby red crystal
Assay	Min 98.0%
Ferricyanide [(Fe(CN) ₆) ³⁻	Max 0.02%
Ferrocyanide [(Fe(CN) ₆) ⁴⁻	Max 0.1%
Sulphate (SO ₄)	Max 0.05%

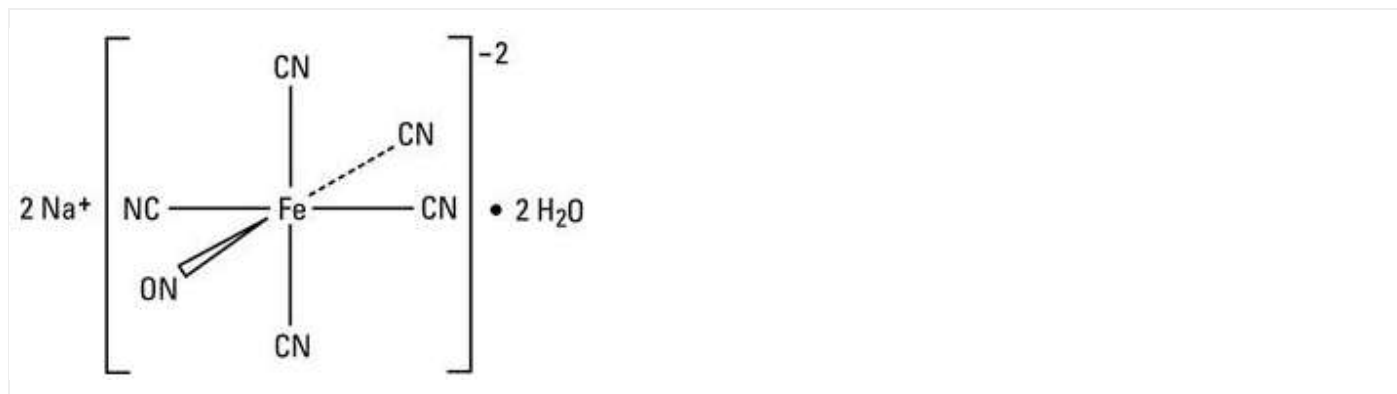
Safety Information and Hazard Symbols

Symbol: GHS06 Signal Word: Danger UN No.: 3288 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301 Precaution Statement: P301 + P310

SODIUM NITROPRUSSIDE 99% AR

Reagent for the detection of many organic compounds such as acetone aldehyde also of alkali sulphides etc. Nitroprusside sodium; SNP; Sodium nitroferricyanide; Sodium pentacyanonitrosylferrate

Product Code.	02468	Grade	
Purity	99%	CAS No.	13755-38-9
Molecular Formula	Na[Fe(CN)5NO].2H2O	Molecular Weight	297.95
H.S.Code	2837.20500	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Ruby red	Odour	Odorless
pH value	5	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Ruby red crystals
Assay	99.0 - 102.0%
Insoluble matter	Max. 0.01%
Chloride (Cl)	Max. 0.01%
Ferricyanide [(Fe(CN)6]3-	Max. 0.01%
Ferrocyanide [(Fe(CN)6]4-	Max. 0.02%
Sulphate (SO4)	Max. 0.01%

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Danger

UN No.: 3288

IMCO Class No.: 6.1

Packing Group: III

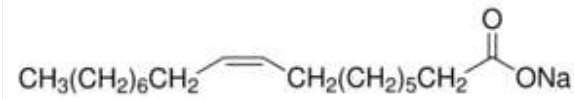
Hazardous Statement: H301

Precaution Statement: P301 + P310

SODIUM OLEATE 99% EXTRAPURE

cis-9-Octadecenoic acid sodium salt Oleic acid sodium salt

Product Code.	02470	Grade	
Purity	99%	CAS No.	143-19-1
Molecular Formula	C18H33NaO2	Molecular Weight	304.50
H.S.Code	2916.15900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Cream coloured powder	Odour	Tallow-like odor
pH value	Alkaline	Melting point/ Freezing point [°C]	232 - 235 °C	Flash point [°C]	149°C
Density [g/cm3]	1.02	Solubility in water [% weight]	Soluble in water		

Packaging

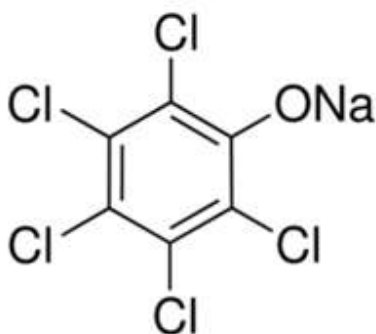
Specification

Appearance	Cream colored powder
Assay	Min 99%
Assay (as fatty acid)	Min 82%
Free alkali (as NaOH)	Max 0.5%
Heavy metal (as Pb)	Max 0.005%
Chloride (Cl)	Max 0.2%

SODIUM PENTACHLOROPHENATE 80% EXTRAPURE

Used in preservation of wood & also as fungicide in textile, guargum, adhesive, as Algaecide in cooling inner system. Soluble in water. Pentachlorophenol sodium salt

Product Code.	02474	Grade	
Purity	80%	CAS No.	131-52-2
Molecular Formula	C6Cl5ONa	Molecular Weight	288.40
H.S.Code	2907.11900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Buff coloured crystalline	Melting point/ Freezing point [°C]	300°C

Specification

Appearance	Buff colored crystalline powder
Assay	Min 80%
Melting point	Min 300 deg C
Total impurities	Max 15% water

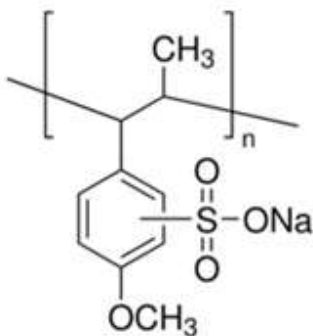
Safety Information and Hazard Symbols


Symbol: GHS06, GHS08, GHS09 Signal Word: Danger UN No.: 2567 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H301-H311-H315-H319-H330-H335-H351-H410 Precaution Statement: P260-P273-P280-P284-P305 + P351 + P338-P310

SODIUM POLYANETHOL SULPHONATE AR

10,000 anticoagulant U/g To inhibit blood coagulation in vitro and as diagnostic reagent to promote the growth of pathogens in blood. Sodium polyanetholesulphonate

Product Code.	02492	Grade	
Purity		CAS No.	55963-78-5
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Cream to light tan	Odour	Odorless
pH value	5 - 7	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Cream to light tan coloured powder
pH (1% solution in 0.85% NaOH)	5.6 - 7.0
Residue on ignition (as SO ₄)	27.2 - 29.6%
Absorption maxima (0.02 g/L in water)	283 - 285 nm
UV absorbance (at I _{max} ; water; 0.02 g/L)	0.140 - 0.17
Ethanol (C ₂ H ₅ OH)	Max 0.2%
Propanol	Max 0.005%

Water (H ₂ O)	8.0 - 15.0%
Calcium (Ca)	Max 0.1%

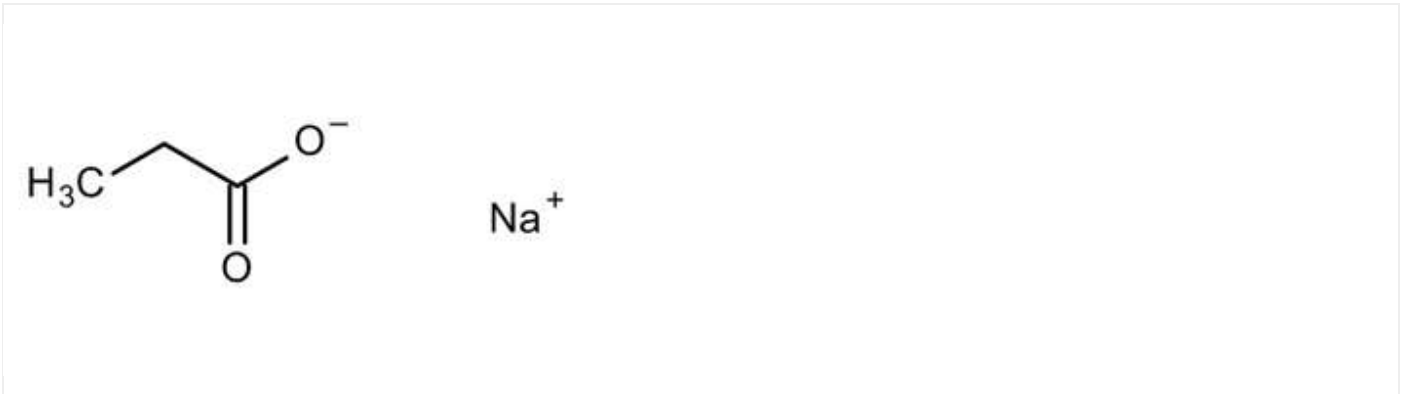
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

SODIUM PROPIONATE 98% EXTRAPURE

Propionic acid sodium salt

Product Code.	02493	Grade	
Purity	98%	CAS No.	137-40-6
Molecular Formula	CH3.CH2.COONa	Molecular Weight	96.06
H.S.Code	2915.50000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Faint acetic-butyrlic
pH value	7.5 - 9.0	Melting point/ Freezing point [°C]	285 - 286 °C	Solubility in water [% weight]	Soluble in water

Packaging

Specification

Appearance	White powder
Assay (on anhydrous basis)	Min 98%
Moisture content	Max 3.0%
pH (10% solution in water)	7.0 - 9.0
Chloride (Cl)	Max 0.01%
Sulphate (SO4)	Max 0.02%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

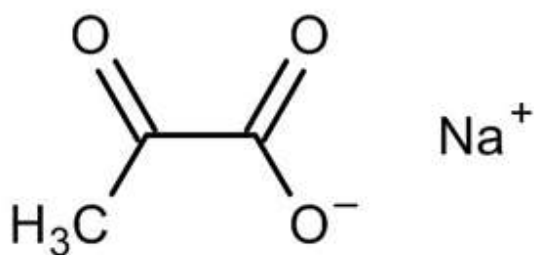
Hazardous Statement: H312

Precaution Statement: P280

SODIUM PYRUVATE 99% FOR BIOCHEMISTRY

Suitability as an enzyme. Substrate for the assay of pyruvate decarboxylase. Substrate for the estimation of lactate dehydrogenase. a-ketopropionic acid sodium salt; 2-oxopropanoic acid sodium salt; Pyruvic acid sodium salt;

Product Code.	02496	Grade	For Biochemistry
Purity	99%	CAS No.	113-24-6
Molecular Formula	C3H3NaO3	Molecular Weight	110.04
H.S.Code	2918.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Odorless
pH value	7	Melting point/ Freezing point [°C]	> 300 °C	Density [g/cm3]	1.718
Solubility in water [% weight]	Soluble in water				

Packaging



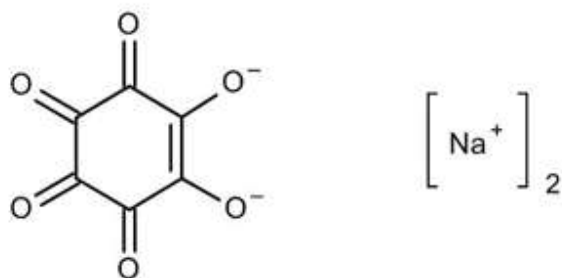
Specification

Appearance	White to pale yellow crystalline powder
Assay	Min 99.0%
Water (H ₂ O)	Max 1.0%
Heavy metal (as Pb)	Max 0.002%

SODIUM RHODIZONATE 98.5% AR

(Reagent for barium and indirectly for Sulphate) Sodium rhodizonate dibasic; 3,4,5,6-Tetraoxocyclohexene-1,2-diol disodium salt; Rhodizonic acid disodium salt

Product Code.	02497	Grade	
Purity	97%	CAS No.	523-21-7
Molecular Formula	C ₆ Na ₂ O ₆	Molecular Weight	214.04
H.S.Code	2914.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Bluish green crystals	Odour	Odorless
Melting point/ Freezing point [°C]	> 300 °C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

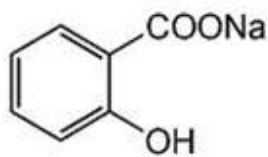
Appearance	Grey to Dark Grey, Green to Dark Green, Blue to Dark Blue, crystal or crystalline powder
Assay (by HClO ₄ titration)	Min 98.5%
Suitability (for sulphate titration)	Passes test
Sensitivity for Barium	1:200000

Safety Information and Hazard Symbols

SODIUM SALICYLATE 99% EXTRAPURE

2-Hydroxybenzoic acid sodium salt; Salicylic acid sodium salt

Product Code.	02499	Grade	Extrapure
Purity	99%	CAS No.	54-21-7
Molecular Formula	C7H5NaO3	Molecular Weight	160.10
H.S.Code	2918.21200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Characteristic odour
pH value	5 - 6	Melting point/ Freezing point [°C]	> 300 °C	Density [g/cm3]	0.35
Solubility in water [% weight]	Appreciable (> 10%)				

Packaging

Specification

Appearance	White, crystalline powder or colourless, small crystals or shiny flakes
Assay (by HClO4 titration; on anhydrous basis)	Min 99.0%
Loss on drying (at 105°C)	Max 1.0%
Chloride (Cl)	Max 0.04%
Sulphate (SO4)	Max 0.1%

Heavy metal (as Pb)

Max 0.002%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

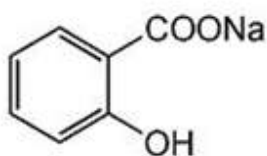
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

SODIUM SALICYLATE 99.5% AR

Confirming to IP, BP, USP 2-Hydroxybenzoic acid sodium salt, Salicylic acid sodium salt

Product Code.	02500	Grade	AR
Purity	99.5%	CAS No.	54-21-7
Molecular Formula	C7H5NaO3	Molecular Weight	160.10
H.S.Code	2918.21200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Characteristic odour
pH value	5 - 6	Melting point/ Freezing point [°C]	> 300 °C	Density [g/cm3]	0.35
Solubility in water [% weight]	Appreciable (> 10%)				

Packaging

Specification

Appearance	White, crystalline powder or colorless, small crystals or shiny flakes
Assay (by HClO4 titration; on dried basis)	99.5 -100.5%
Identification	To comply as per pharma specificaiton
Solubility	Passes test
Appearance of solution	Passes test

Acidity	Passes test
Sulphite and thiosulphate	Passes test as per USP
Chloride (Cl)	Max 0.02%
Sulphate (SO ₄)	Max 0.06%
Heavy metal (as Pb)	Max 0.002%
Arsenic (As)	Max 0.0002%
Loss on drying (at 105°C)	Max 0.5%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

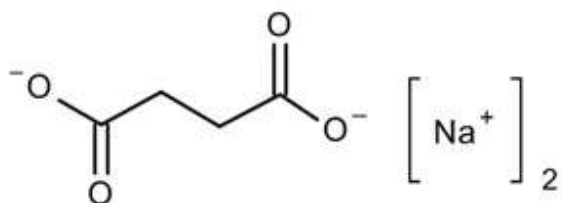
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

SODIUM SUCCINATE (HEXAHYDRATE)

Butanedioic acid disodium salt Succinic acid disodium salt

Product Code.	02508	Grade	
Purity	99%	CAS No.	6106-21-4
Molecular Formula	C4H4Na2O4.6H2O	Molecular Weight	270.14
H.S.Code	2917.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	8 - 9 at 270 g/l at 25 °C	Solubility in water [% weight]	270 g/l at 20 °C - completely soluble		

Specification

Appearance	White crystalline powder
Assay (by HClO4 titration; on anhydrous basis)	Min 99%
Water (H2O)	38 - 42%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

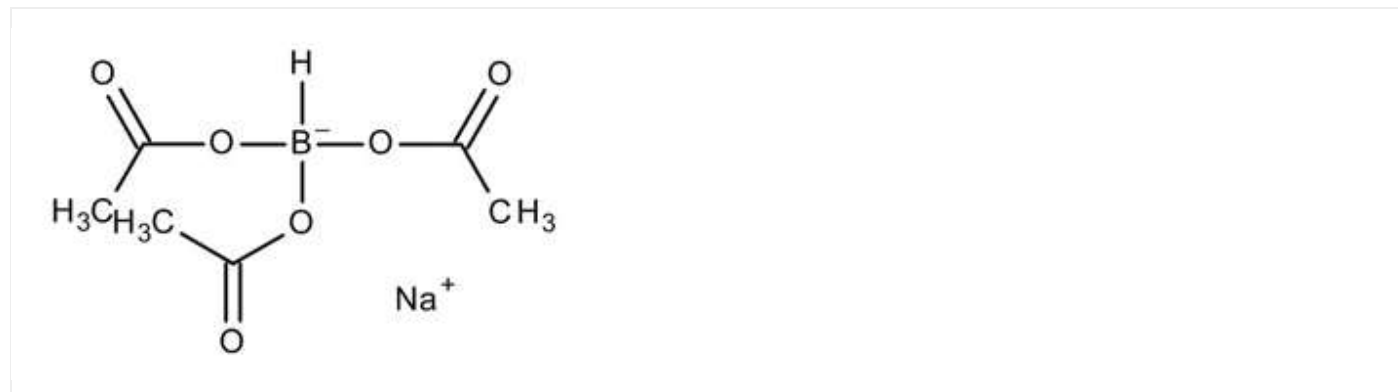
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

SODIUM TRIACETOXY BOROHYDRIDE 96% FOR SYNTHESIS

NaBH(OAc)₃; STAB; STABH; Sodium triacetoxyhydroborate

Product Code.	02534	Grade	
Purity	95%	CAS No.	56553-60-7
Molecular Formula	C ₆ H ₁₀ BNaO ₆	Molecular Weight	211.94
H.S.Code	2942.00900	Shelf Life	60 Months



Specification

Appearance	White powder
Assay	Min 95%
Infrared spectrum	Passes test

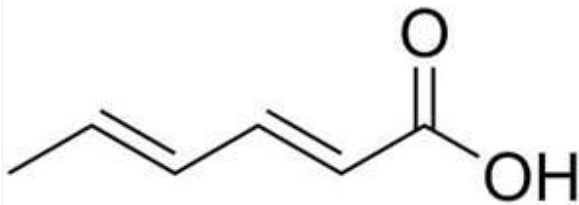
Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Danger UN No.: 1409 IMCO Class No.: 4.3 Packing Group: II Hazardous Statement: H228-H261-H315-H335 Precaution Statement: P210-P231 + P232-P261-P422 Risk Statement: 11-14/15-37/38 Safety Statement: 7/8-43

SORBIC ACID 99% EXTRAPURE

Confirming to BP, NF 2,4-Hexadienoic acid

Product Code.	02539	Grade	Extrapure
Purity	99%	CAS No.	110-44-1
Molecular Formula	C6H8O2	Molecular Weight	112.13
H.S.Code	2916.19600	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	3.3 at 1.6 g/l at 20 °C	Melting point/ Freezing point [°C]	132 - 135 °C	Flash point [°C]	127 °C
Boiling point [°C]	170 °C	Vapour pressure [20°C]	0.01 hPa at 20 °C	Vapour density	3.87
Density [g/cm3]	1.2	Solubility in water [% weight]	Slightly soluble in water	Partition coefficient Log Pow octanol / water at 20°C	1.858

Packaging

Appearance	White to off-white or creamish white crystalline powder
Assay	99 - 101%
Identity	Passes test
Appearance of solution (5% in ethanol)	Passes test
Melting range	132 - 135 °C

Residue on ignition (as SO ₄)	Max 0.2%
Aldehydes (as C ₂ H ₄ O)	Max 0.15%
Heavy metal (as Pb)	Max 0.001%
Arsenic (As)	Max 0.0003%
Water (by KF)	Max 0.5%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

SPADNS AR

2(4-Sulphophenylazo)1,8-dihydroxynaphthalene- 3,6- disulphonic acid trisodium salt

Product Code.	02546	Grade	
Purity		CAS No.	23647-14-5
Molecular Formula	C16H9N2Na3O11S3	Molecular Weight	570.42
H.S.Code	2927.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish crystalline	Solubility in water [% weight]	Soluble in water

Specification

Appearance	Brownish crystalline powder
Absorption maxima at pH 7.0	505 - 510 nm
Absorptivity (A 1%/1cm; at lmax)	Min 380
Loss on drying (at 105°C)	Max 10%
Suitability (as metal indicator)	Passes test

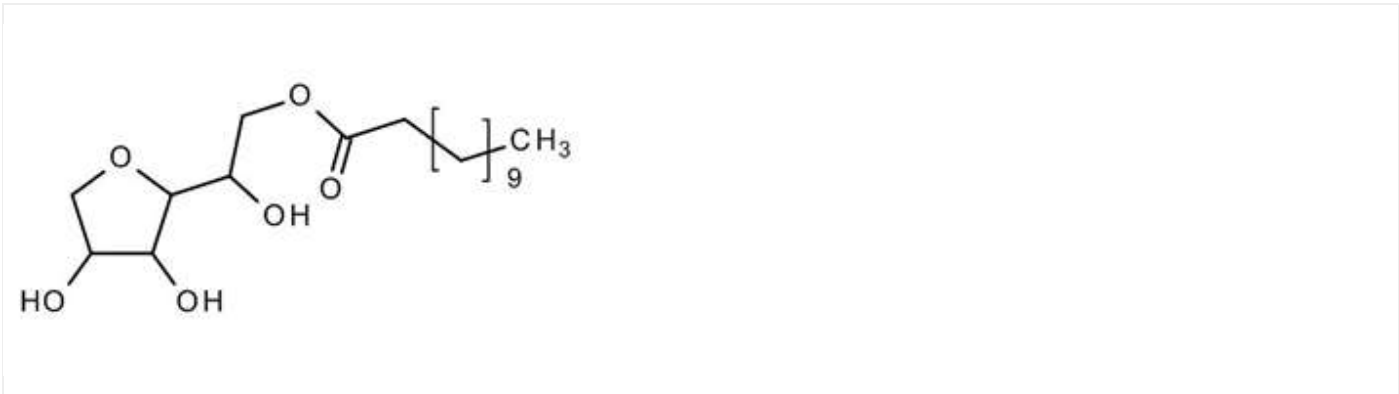
Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

SPAN 20 EXTRA PURE

Sorbitan monolaurate

Product Code.	02547	Grade	
Purity		CAS No.	1338-39-2
Molecular Formula		Molecular Weight	0.00
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear amber colour	Flash point [°C]	> 113°C
Density [g/cm3]	1				

Packaging

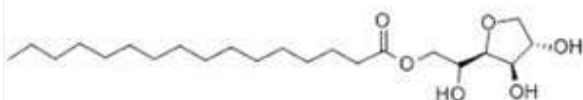
Specification

Appearance	Clear, yellow colored liquid
Specific gravity (at 20°C)	1.00
Hydroxyl number	330-358
Sapnification value	158-170
Acid value (mg KOH/gm)	Max 7.0
Iodine value	Max 10.0
Peroxide number	Max 5.0

SPAN 40 EXTRA PURE

Sorbitan monopalmitate

Product Code.	02548	Grade	ExtraPure
Purity		CAS No.	26266-57-9
Molecular Formula	C22H42O6	Molecular Weight	402.64
H.S.Code	2932.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White flakes	Melting point/ Freezing point [°C]	46 - 47 °C
Flash point [°C]	113 °C	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance	White to creamish yellow flakes or powder
Hydroxyl number	270 - 305
Saponification value	140 - 145
Acid value (mg KOH/gm)	Max 8.0
Peroxide number	Max 5.0
Identity (IR)	Passes test

Safety Information and Hazard Symbols

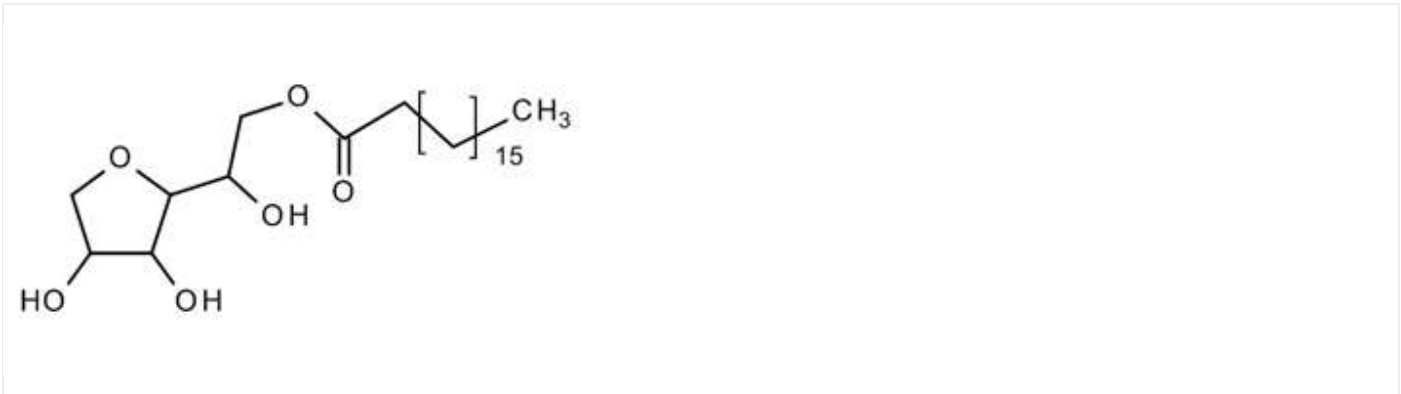


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

SPAN 60 EXTRA PURE

Sorbitane monostearate

Product Code.	02549	Grade	
Purity		CAS No.	1338-41-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Cream coloured flakes	Odour	Slight
Melting point/ Freezing point [°C]	54 - 57 °C	Flash point [°C]	> 113°C	Density [g/cm3]	1
Solubility in water [% weight]	Insoluble in water				

Packaging

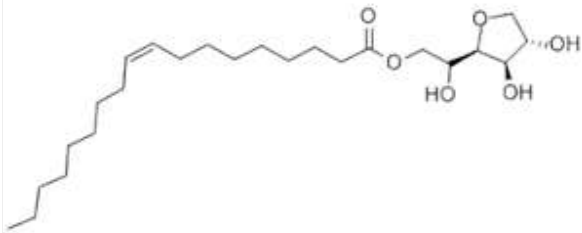
Specification

Appearance	Pale yellow waxy solid
Acid value (mg KOH/gm)	Max 10.0
Sapnification value	147-157
Hydroxyl number	235-260
Ash content	Max 0.5%
Water (H2O)	Max 1.5%

SPAN 80 EXTRA PURE

Sorbitan monooleate

Product Code.	02550	Grade	Extrapure
Purity		CAS No.	1338-43-8
Molecular Formula	C24H44O6	Molecular Weight	428.60
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Brownish yellow	Flash point [°C]	>149°C
Boiling point [°C]	>100°C	Vapour pressure [20°C]	< 1.0 mm Hg @20°C	Vapour pressure mm/Hg	< 1.0 mm Hg @200C
Density [g/cm3]	1	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	Brownish-yellow, viscous liquid
Acid value (mg KOH/gm)	Max 8.0
Sapnofication value	145-160
Hydroxyl number	190-210

Safety Information and Hazard Symbols

STARCH IODIDE PAPER (10 BOOKS OF 20 LEAVES IN BOX)

10 books of 20 leaves in box.

Product Code.	02925	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Colour	White paper

Packaging

Specification

Appearance	Uniformly white paper
Suitability	Passes test

Safety Information and Hazard Symbols

SUCCINIC ACID DISODIUM SALT HEXAHYDRATE 97%

Product Code.	2508C	Grade	
Purity	97%	CAS No.	6106-21-4
Molecular Formula	C4H4Na2O4.6H2O	Molecular Weight	270.14
H.S.Code	2917.19900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	8 - 9 at 270 g/l at 25 °C	Solubility in water [% weight]	270 g/l at 20 °C - completely soluble		

Packaging

Specification

Appearance (Color)	White
Appearance (Form)	Crystalline powder or crystals or granules
Infrared spectrum	Conforms
Titration with HClO4	96.0 to 103.0 %
Loss on drying	37.0 % to 41.0 % (90°C)
Solubility	(10 % in water) Clear

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

SUCCINIC ANHYDRIDE 97% FOR SYNTHESIS

For succinylation of proteins. Dihydro-2,5-furandione

Product Code.	02577	Grade	For Synthesis
Purity	97%	CAS No.	108-30-5
Molecular Formula	C4H4O3	Molecular Weight	100.07
H.S.Code	2917.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	118 - 120 °C	Boiling point [°C]	261 °C	Vapour pressure mm/Hg	1 mm Hg at 92 °C
Vapour density	3.7	Density [g/cm3]	1.234	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	-1.701				

Specification

Appearance	White crystalline powder/Flakes
Assay	Min 97.0%
Melting point	117 - 119°C

Safety Information and Hazard Symbols



Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302-H319-H335
Precaution Statement: P261-P305 + P351 + P338

SUCCINIMIDE 99% FOR SYNTHESIS

2,5-Pyrrolidinedione

Product Code.	02578	Grade	
Purity	99%	CAS No.	123-56-8
Molecular Formula	C4H5NO2	Molecular Weight	99.09
H.S.Code	2925.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	4.5 at 50 g/l at 20 °C	Melting point/ Freezing point [°C]	123 - 125 °C	Flash point [°C]	201°C
Boiling point [°C]	285 - 290 °C	Initial boiling point [°C]	285°C	Final boiling point [°C]	290 °C
Solubility in water [% weight]	240 g/L (20°C)				

Packaging

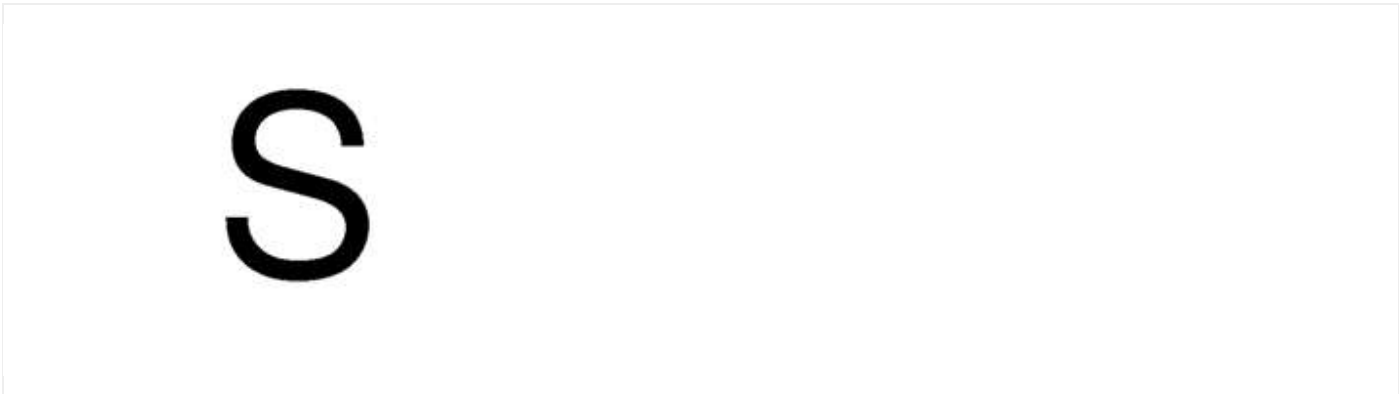
Specification

Appearance	White crystalline powder
Assay (ex N)	Min 99%
Melting range	121-124°C

Safety Information and Hazard Symbols

SULPHUR POWDER 98% EXTRAPURE

Product Code.	02597	Grade	Extrapure
Purity	98%	CAS No.	7704-34-9
Molecular Formula	S	Molecular Weight	32.06
H.S.Code	2503.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Fine yellow powder	Odour	Faint odor
Melting point/ Freezing point [°C]	118 - 120 °C	Auto-ignition temperature [°C]	232°C	Flash point [°C]	168 °C
Boiling point [°C]	444.7 °C	Vapour pressure mm/Hg	10 mm Hg @ 2460C	Vapour density	8.9
Density [g/cm3]	2.07	Solubility in water [% weight]	Insoluble in water	Viscosity at 40°C [mm2/s]	8 mm2/s at 140 °C
Explosion limits - upper [%]	6.83%	Explosion limits -lower [%]	0.17%		

Packaging

Specification

Appearance	Fine yellow powder
Assay	Min 98.0%
Acidity or alkalinity	Passes test

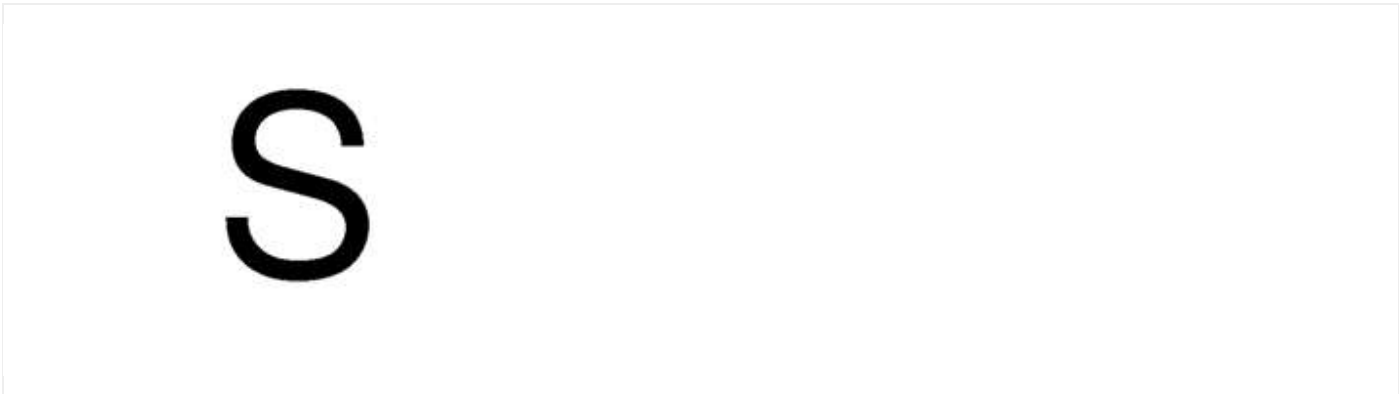
Sulphate (SO4)	Max 0.01%
Chloride (Cl)	Max 0.01%
Sulphide (S)	Max 0.01%
Arsenic (As)	Max 0.004%
Selenium (Se)	Passes test
Sulphated ash	Max 0.25%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Warning UN No.: 1350 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H228 - H315 Precaution Statement: P302 + P352 Risk Statement: 38 Safety Statement: 46

SULPHUR POWDER 99.5% AR

Product Code.	02598	Grade	
Purity	99.5%	CAS No.	7704-34-9
Molecular Formula	S	Molecular Weight	32.06
H.S.Code	2503.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Fine yellow powder	Odour	Faint odor
Melting point/ Freezing point [°C]	118 - 120 °C	Auto-ignition temperature [°C]	232°C	Flash point [°C]	168 °C
Boiling point [°C]	444.7 °C	Vapour pressure mm/Hg	10 mm Hg @ 2460C	Vapour density	8.9
Density [g/cm3]	2.07	Solubility in water [% weight]	Insoluble in water	Viscosity at 40°C [mm2/s]	8 mm2/s at 140 °C
Explosion limits - upper [%]	6.83%	Explosion limits -lower [%]	0.17%		

Packaging

Specification

Appearance	Fine yellow powder
Assay (iodometric)	99.5 - 100.5%
Arsenic (As)	Max 0.0004%

Sulphated ash	Max 0.25%
Acidity or alkalinity	Passes test

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Warning UN No.: 1350 IMCO Class No.: 4.1 Packing Group: III Hazardous Statement: H228-H315 Precaution Statement: P302 + P352 Risk Statement: 38 Safety Statement: 46

SULPHUROUS ACID (AQUEOUS SOLUTION) 5-6%

Product Code.	02931	Grade	
Purity	5-6%	CAS No.	7782-99-2
Molecular Formula	H2SO3	Molecular Weight	82.08
H.S.Code	3822.90900	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Pungent odor of sulfur
Density [g/cm3]	1.03	Solubility in water [% weight]	Miscible in water		

Specification

Appearance	A clear colourless liquid
Assay	5-6%
Residue on ignition	Max 0.002%
Arsenic (As)	Max 0.00005%
Heavy metal (as Pb)	Max 0.0001%
Chloride (Cl)	Max 0.0005%
Iron (Fe)	Max 0.0001%

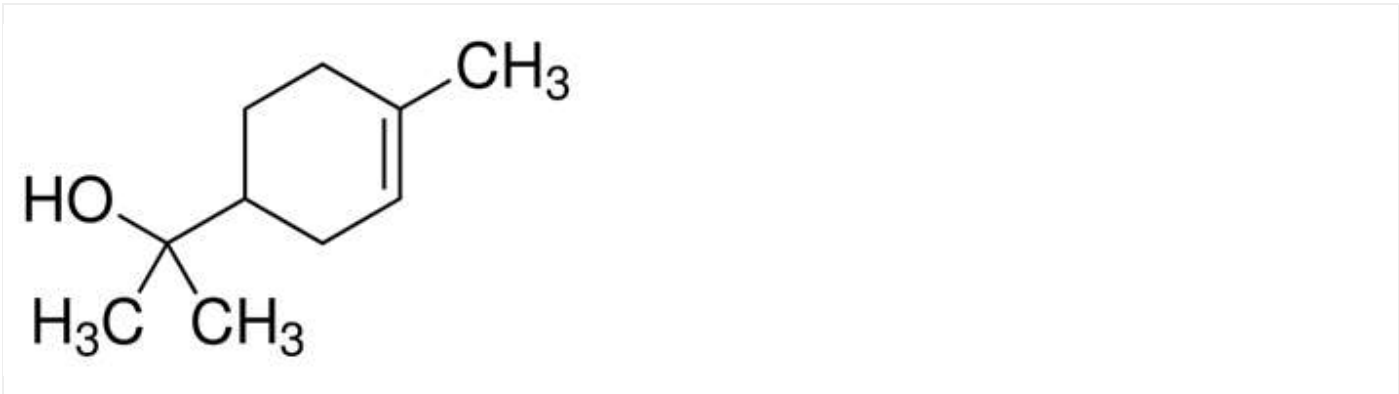
Safety Information and Hazard Symbols


Symbol: GHS05 Signal Word: Danger UN No.: 1833 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H314 Precaution Statement: P280-P305 + P351 + P338-P310

TERPINEOL ANHYDROUS 80% EXTRA PURE (MIXTURE OF ISOMERS)

alpha-Terpineol

Product Code.	02627	Grade	Extrapure
Purity	80%	CAS No.	8006-39-1
Molecular Formula	C10H18O	Molecular Weight	154.25
H.S.Code	2906.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to yellow	Odour	Turpentine odor
Melting point/ Freezing point [°C]	31°C	Flash point [°C]	78°C	Boiling point [°C]	212°C
Vapour pressure [20°C]	10 mm of Hg (@ 20°C)	Vapour pressure mm/Hg	10 mm of Hg (@ 20°C)	Vapour density	5.3
Density [g/cm3]	0.933				

Packaging

Specification

Appearance	Colourless to yellowish liquid
Purity (GC, area%) (as mixture of isomers)	Min 80.0%
Identity (IR)	Passes test
Density (d20°C/4°C)	0.932 - 0.936 g/ml

TERT-BUTYL BENZENE 99%

Product Code.	0567A	Grade	
Purity	98.5%	CAS No.	98-06-6
Molecular Formula	C10H14	Molecular Weight	134.22
H.S.Code	2902.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Aromatic benzene like
Melting point/ Freezing point [°C]	-58°C	Auto-ignition temperature [°C]	450°C	Flammability (solid, gas)	Flammable
Flash point [°C]	60°C	Boiling point [°C]	169°C	Vapour pressure [20°C]	0.2 kPa (@ 20°C)
Vapour density	4.62	Density [g/cm3]	0.87	Solubility in water [% weight]	Insoluble
Explosion limits - upper [%]	5.80%	Explosion limits -lower [%]	0.80%		

Specification

Appearance (Color)	Clear colorless to yellow
Appearance (Form)	Liquid
Infrared spectrum	Conforms
GC	Min 98.5%

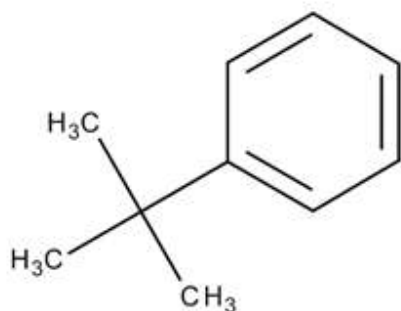
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Warning UN No.: 3295 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226-H319 Precaution Statement: P305 + P351 + P338

TERT-BUTYL BENZENE 99% FOR SYNTHESIS

2-Methyl 2-phenyl propane

Product Code.	00567	Grade	For Synthesis
Purity	99%	CAS No.	98-06-6
Molecular Formula	C ₁₀ H ₁₄	Molecular Weight	134.22
H.S.Code	2902.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Aromatic benzene like
Melting point/ Freezing point [°C]	-58°C	Auto-ignition temperature [°C]	450°C	Flammability (solid, gas)	Flammable
Flash point [°C]	60°C	Boiling point [°C]	169°C	Vapour pressure [20°C]	0.2 kPa (@ 20°C)
Vapour density	4.62	Density [g/cm ³]	0.87	Solubility in water [% weight]	Insoluble
Explosion limits - upper [%]	5.80%	Explosion limits -lower [%]	0.80%		

Packaging



Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99%
Density (d20°C/4°C)	0.865 - 0.866 g/ml
Identity (IR)	Conforms

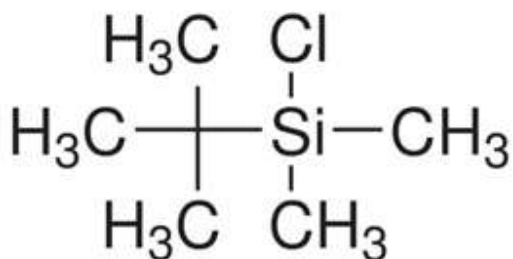
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Warning UN No.: 3295 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226-H319 Precaution Statement: P305 + P351 + P338

TERT-BUTYLDIMETHYLSILYL CHLORIDE 97% FOR SYNTHESIS

TBDMS-Chloride; tert-Butyl(chloro) dimethylsilane; tert-Butyldimethylchlorosilane

Product Code.	00575	Grade	
Purity	97%	CAS No.	18162-48-6
Molecular Formula	C ₆ H ₁₅ ClSi	Molecular Weight	150.72
H.S.Code	2931.90900	Shelf Life	60 Months



Packaging



Specification

Appearance	Colorless to white crystals
Assay	Min 97.0%
Identity (IR)	Passes test
Melting range	87-91°C

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05

Signal Word: Danger

UN No.: 2925

IMCO Class No.: 4.1

Packing Group: II

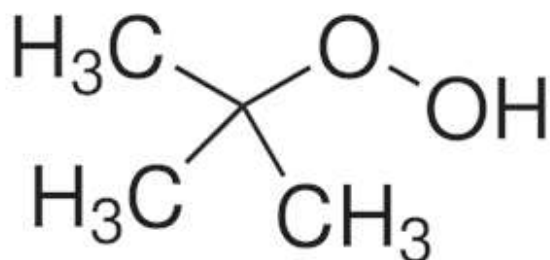
Hazardous Statement: H228-H314

Precaution Statement: P210-P280-P305 + P351 + P338-P310

TERT-BUTYLHYDROPEROXIDE 70% IN WATER EXTRA PURE

Store at +15 to +25°C

Product Code.	00576	Grade	
Purity		CAS No.	75-91-2
Molecular Formula	C ₄ H ₁₀ O ₂	Molecular Weight	90.12
H.S.Code	2907.29900	Shelf Life	36 Months



Packaging



Specification

Appearance	Clear solution
Colour scale	Max 20 APHA
Assay (by Na ₂ S ₂ O ₃ titration)	69.0 - 80.0%
Density (at 25°C)	about 0.93 g/mL
Active oxygen (titration by Na ₂ S ₂ O ₃)	Min 12%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 3109

IMCO Class No.: 5.2

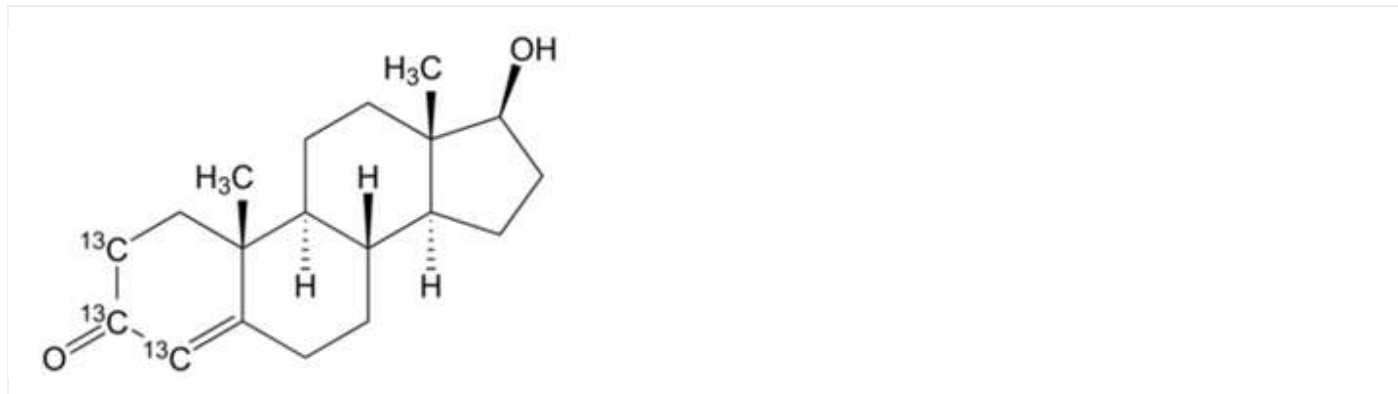
Hazardous Statement: H226-H242-H302-H311-H314-H317-H331-H341-H411

Precaution Statement: P220-P261-P273-P280-P305 + P351 + P338-P310

TESTOSTERONE 97% EXTRAPURE

17 β -Hydroxy-3-oxo-4-androstene, trans-Testosterone

Product Code.	02629	Grade	
Purity	97%	CAS No.	58-22-0
Molecular Formula	C19H28O2	Molecular Weight	288.42
H.S.Code	2937.29000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	153 - 155 °C	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance	White to yellowish powder
Assay	Min 97%
Specific optical rotation ([α] _D ²⁰ ; c=1 in absolute ethanol)	+106 deg to +112 deg
Melting point	152 - 156 deg C

Safety Information and Hazard Symbols



Symbol: GHS08

Signal Word: Danger

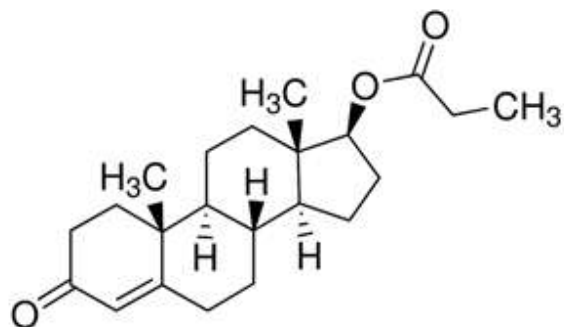
Hazardous Statement: H350-H361

Precaution Statement: P201-P281-P308 + P313

TESTOSTERONE PROPIONATE 97% EXTRAPURE

7β-Hydroxy-4-androsten-3-one 17-propionate; 17β-Propionyloxy-4-androsten-3-one; 4-Androsten-17β-ol-3-one 17-propionate; Testosteroni propionas

Product Code.	02630	Grade	
Purity	97%	CAS No.	57-85-2
Molecular Formula	C22H32O3	Molecular Weight	344.50
H.S.Code	2937.29000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	122 - 123 °C	Flash point [°C]	93.3°C	Solubility in water [% weight]	Insoluble in water

Specification

Appearance	White to yellowish powder
Assay	Min 97%
Melting point	118 - 123 deg C
Specific optical rotation ([α] _D ²⁰ ; c=2 in dioxane)	+83 deg to +90 deg

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Danger

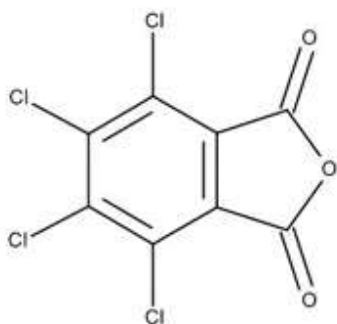
Hazardous Statement: H302-H350-H361

Precaution Statement: P201-P281-P308 + P313

TETRACHLORO PHTHALIC ANHYDRIDE 98% EXTRAPURE

4,5,6,7-Tetrachloro-1,3-isobenzofurandione

Product Code.	02645	Grade	
Purity	98%	CAS No.	117-08-8
Molecular Formula	C8Cl4O3	Molecular Weight	285.90
H.S.Code	2917.35000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Melting point/ Freezing point [°C]	253 - 257 °C	Boiling point [°C]	371 °C
Vapour pressure mm/Hg	0.16 mmHg 145 °C				

Specification

Appearance	White powder/crystal
Assay (acidimetric)	Min 98%
Melting point	253 - 256 deg C

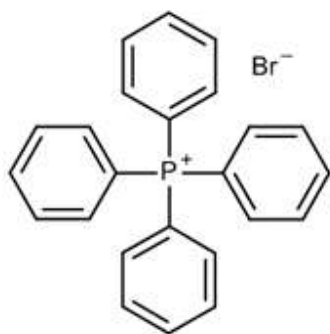
Safety Information and Hazard Symbols


Symbol: GHS05, GHS08, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H317-H318-H334-H350-H373-H410 Precaution Statement: P201-P261-P273-P280-P305 + P351 + P338-P308 + P313

TETRAPHENYL PHOSPHONIUM BROMIDE 98% EXTRAPURE

Phosphonium tetraphenyl bromide

Product Code.	02664	Grade	
Purity	98%	CAS No.	2751-90-8
Molecular Formula	C ₂₄ H ₂₀ BrP	Molecular Weight	419.31
H.S.Code	2931.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	295 - 300 °C	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	White to off-white powder/granular/crystalline powder
Assay (argentometric)	Min 98%
Melting point	294-297 deg C

Safety Information and Hazard Symbols

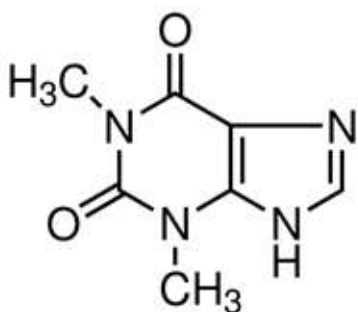


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

THEOPHYLLINE ANHYDROUS 99% EXTRAPURE

1,3-Dimethylxanthine, 2,6-Dihydroxy-1,3-dimethylpurine, 3,7-Dihydro-1,3-dimethyl-1H-purine-2,6-dione

Product Code.	02673	Grade	Extrapure
Purity	99%	CAS No.	58-55-9
Molecular Formula	C7H8N4O2	Molecular Weight	180.17
H.S.Code	2939.59000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	5	Melting point/ Freezing point [°C]	274 - 275 °C	Solubility in water [% weight]	8.3 g/L (20°C)
Partition coefficient Log Pow octanol / water at 20°C	0.02				

Specification

Appearance	White crystalline powder
Assay (NaOH titration)	Min 99.0%
Melting point	271 - 273°C
Loss on drying	Max 0.5%

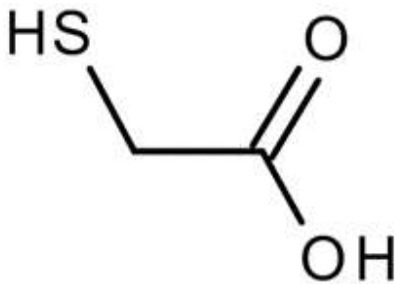
Safety Information and Hazard Symbols


Symbol: GHS06 Signal Word: Danger UN No.: 2811 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H301 Precaution Statement: P301 + P310

THIOGLYCOLIC ACID 80% EXTRAPURE

Mercaptoacetic acid

Product Code.	02679	Grade	Extrapure
Purity	80%	CAS No.	68-11-1
Molecular Formula	HSCH ₂ COOH	Molecular Weight	92.12
H.S.Code	2930.90990	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Strong unpleasant odor
pH value	1	Melting point/ Freezing point [°C]	-16°C	Flash point [°C]	131 °C
Boiling point [°C]	120°C	Vapour pressure [20°C]	0.1 hPa at 20 °C	Vapour density	3.2
Density [g/cm3]	1.33	Solubility in water [% weight]	Miscible in water	Partition coefficient Log Pow octanol / water at 20°C	0.09

Packaging

Specification

Appearance	A clear colorless liquid
Assay (iodometric)	Min 80.0%
Sulphated ash	Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06

Signal Word: Danger

UN No.: 1940

IMCO Class No.: 8

Packing Group: II

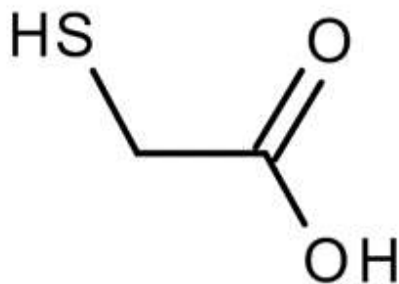
Hazardous Statement: H301-H312-H314-H330

Precaution Statement: P260-P280-P284-P301 + P310-P305 + P351 + P338-P310

THIOGLYCOLLIC ACID 99% AR

Mercaptoacetic acid

Product Code.	02680	Grade	
Purity	99%	CAS No.	68-11-1
Molecular Formula	HSCH ₂ COOH	Molecular Weight	92.11
H.S.Code	0.00000	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	pH value	1.5 at 10 g/l at 20 °C
Melting point/ Freezing point [°C]	-16 °C	Auto-ignition temperature [°C]	350 °C	Flash point [°C]	130 °C
Boiling point [°C]	96 °C	Vapour pressure [20°C]	0.5 hPa at 20°C	Vapour density	3.18
Density [g/cm ³]	1.325	Solubility in water [% weight]	Miscible in water	Partition coefficient Log Pow octanol / water at 20°C	0.059
Explosion limits -lower [%]	5.90%				

Packaging

Specification

Appearance	Clear colorless solution
Assay (iodometric)	Min 99%
Iron (Fe)	Max 0.00005%
Sulphated ash	Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06

Signal Word: Danger

UN No.: 1940

IMCO Class No.: 8

Packing Group: II

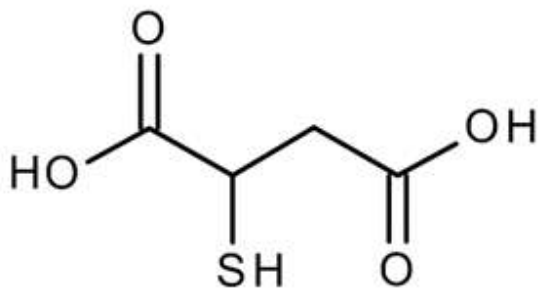
Hazardous Statement: H301-H311-H314-H330

Precaution Statement: P260-P280-P284-P301 + P310-P305 + P351 + P338-P310

THIOMALIC ACID 99% FOR SYNTHESIS

Mercaptosuccinic acid Used in Cosmetic, Mettallurgy, Printing ink and for electroplating

Product Code.	02681	Grade	
Purity	99%	CAS No.	70-49-5
Molecular Formula	C4H6O4S	Molecular Weight	150.20
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powdet	Melting point/ Freezing point [°C]	155 - 157 °C

Packaging

Specification

Appearance	White powder
Assay	Min 99%
Melting point	150 - 152 deg C

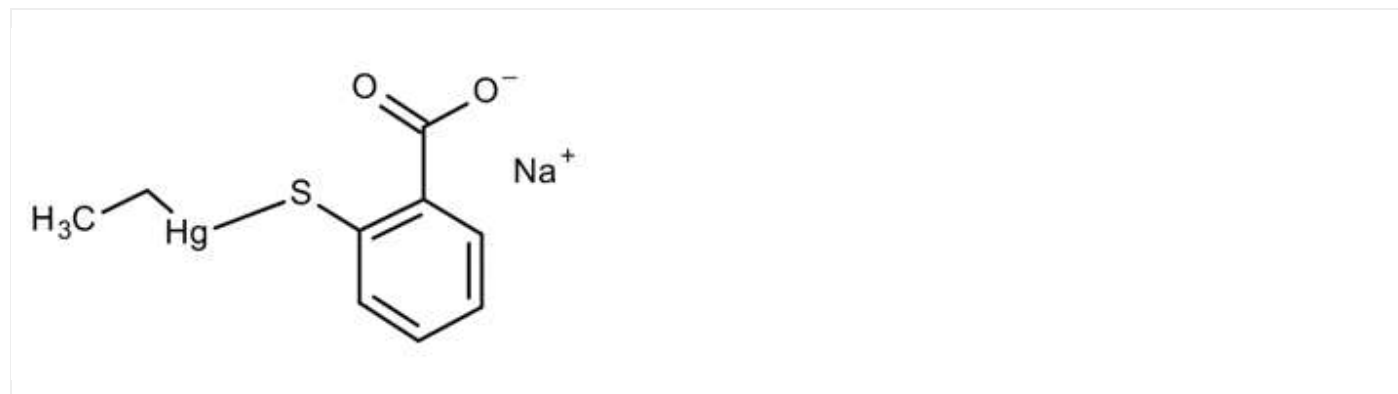
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

THIOMERSAL 97% EXTRAPURE

Confirming to USP Ethyl(2-mercaptobenzoato-(2-)-O,S)mercurate(1-) sodium, Mercury((o-carboxyphenyl)thio)ethyl sodium salt

Product Code.	02682	Grade	
Purity	97%	CAS No.	54-64-8
Molecular Formula	C ₉ H ₉ HgNaO ₂ S	Molecular Weight	404.81
H.S.Code	2852.10000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Pale cream	Odour	Odorless
pH value	6.7	Melting point/ Freezing point [°C]	234 °C	Decomposition point [°C]	232°C
Flash point [°C]	250 °C	Density [g/cm ³]	0.5	Solubility in water [% weight]	Soluble in water

Packaging

Specification

Appearance	White to pale cream coloured crystalline powder
Assay (ex Hg)	97 - 101%
Clarity of solution	Passes test
pH	6 - 8
Ether soluble substances	Max 0.8%
Free mercury ions	Max 0.7%

Loss on drying

Max 0.5%

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 2025

IMCO Class No.: 6.1

Packing Group: III

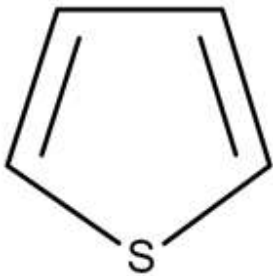
Hazardous Statement: H300-H310-H330-H373-H410

Precaution Statement: P260-P264-P273-P280-P284-P301 + P310

THIOPHENE 99% FOR SYNTHESIS

Thiofuran; Thiole

Product Code.	02684	Grade	
Purity	99%	CAS No.	110-02-1
Molecular Formula	C4H4S	Molecular Weight	84.14
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Light yellow	Odour	Benzene-like
Melting point/ Freezing point [°C]	3.82°C	Auto-ignition temperature [°C]	395 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-1 °C	Boiling point [°C]	84 °C	Vapour density	2.9
Density [g/cm3]	1.1	Solubility in water [% weight]	Insoluble in cold water	Explosion limits - upper [%]	12.50%
Explosion limits -lower [%]	1.50%				

Packaging

Specification

Appearance	A clear colourless liquid
Assay (GC area %)	Min 99%
Density (d20°C/4°C)	1.061-1.063

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS06

Signal Word: Danger

UN No.: 2414

IMCO Class No.: 3

Packing Group: II

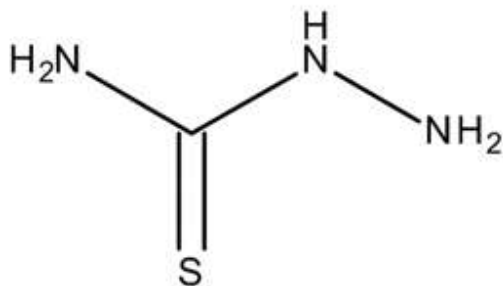
Hazardous Statement: H225-H302-H315-H318-H331-H335

Precaution Statement: P210-P261-P280-P305 + P351 + P338-P311

THIOSEMICARBAZIDE 98% AR

As reagent for detection of metals. Thiocarbamoyl hydrazide

Product Code.	02687	Grade	
Purity	98%	CAS No.	79-19-6
Molecular Formula	CH ₅ N ₃ S	Molecular Weight	91.14
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	180 - 183 °C	Solubility in water [% weight]	Moderate (1-10%)		

Specification

Appearance	White to light yellow to faint Beige crystalline powder
Assay	Min 98%
Melting range	178 - 181 deg C
Sulphated ash	Max 0.02%

Safety Information and Hazard Symbols

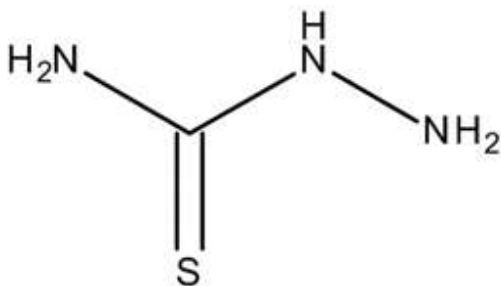


Symbol: GHS06
Signal Word: Danger
UN No.: 2811
IMCO Class No.: 6.1
Packing Group: II
Hazardous Statement: H300
Precaution Statement: P264-P301 + P310

THIOSEMICARBAZIDE 98% FOR SYNTHESIS

Thiocarbamoyl hydrazide

Product Code.	02686	Grade	
Purity	98%	CAS No.	79-19-6
Molecular Formula	CH ₅ N ₃ S	Molecular Weight	91.14
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	180 - 183 °C	Solubility in water [% weight]	Moderate (1-10%)		

Specification

Appearance	White to light yellow to faint Beige crystalline powder
Assay	Min 98%
Melting range	178 - 181 deg C

Safety Information and Hazard Symbols



Symbol: GHS06
Signal Word: Danger
UN No.: 2811
IMCO Class No.: 6.1
Packing Group: II
Hazardous Statement: H300
Precaution Statement: P264-P301 + P310

THORIN INDICATOR AR

Reagent for thorium,beryllium and certain other metals. 1-(2-Arsonophenylazo)-2-naphthol-3,6-disulfonic acid disodium salt; 2-(2-Hydroxy-3,6-disulfo-1-naphthylazo)phenylarsonic acid disodium salt; 2-(3,6-Disulfo-2-hydroxy-1-naphthylazo)benzenearsonic acid disodium salt; APANS; Thoron(ol)

Product Code.	02691	Grade	
Purity		CAS No.	3688-92-4
Molecular Formula	C16H11AsN2Na2O10S2	Molecular Weight	576.30
H.S.Code	2931.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish red powder	Odour	Odorless
Solubility in water [% weight]	Appreciable (> 10%)				

Packaging

Specification

Appearance	Brownish red powder / Orange red powder
Absorption maxima in H2O	480 - 490 nm
Specific absorptivity 1%/1cm (at I _{max})	Min 200%
Water (by KF)	19 - 25%

Safety Information and Hazard Symbols



Symbol: GHS06, GHS09

Signal Word: Danger

UN No.: 3465

IMCO Class No.: 6.1

Packing Group: II

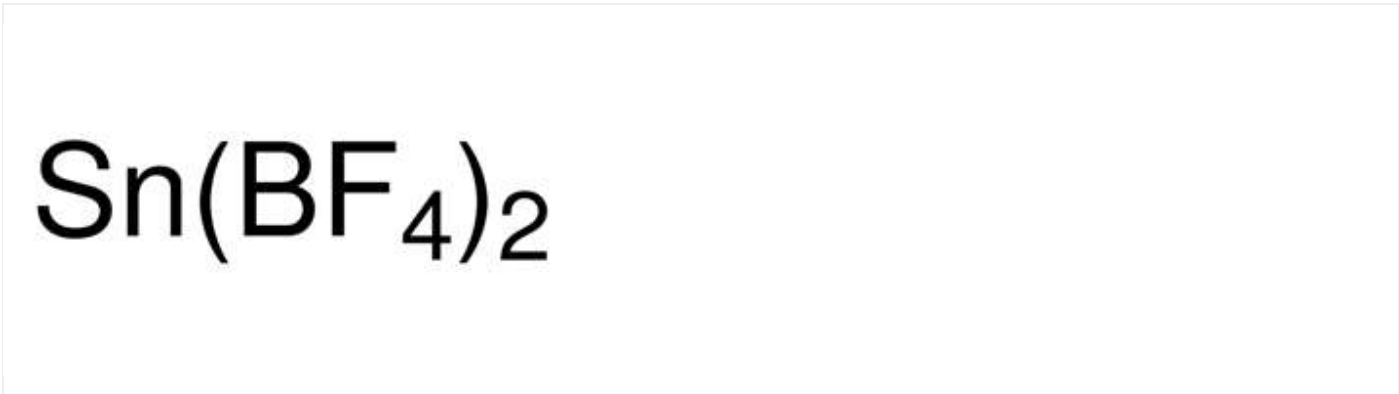
Hazardous Statement: H301-H331-H410

Precaution Statement: P261-P273-P301 + P310-P311-P501

TIN FLUOBORATE 50% SOLUTION FOR ELECTROPLATING

Stannous fluoroborate; Tin (II) fluoroborate

Product Code.	02709	Grade	
Purity	50%	CAS No.	13814-97-6
Molecular Formula	Sn(BF4)2	Molecular Weight	292.30
H.S.Code	2826.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
pH value	4.5 - 6.5				

Packaging

Specification

Appearance	A clear colorless or nearly colorless liquid free from extraneous matter
Density (at 25°C)	1.60 g/cc
Stannous gpl.	305
Free H2BO3 gpl.	32
Free HBF gpl.	29
Sulphate (SO4)	Max 0.1%
Chloride (Cl)	Max 0.02%

Iron (Fe)

Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Warning

UN No.: 3264

IMCO Class No.: 8

Packing Group: II

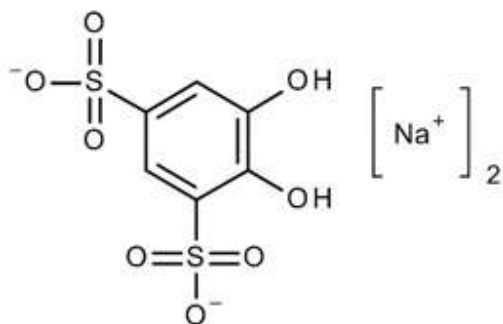
Risk Statement: 31-34

Safety Statement: 26-27-36/37/39-45

TIRON AR METAL (PM) INDICATOR

Metal (pM) indicator (Yoe's reagent or titanium and iron indicator in the titration of iron with EDTA). 4,5-Dihydroxy-1,3-benzenedisulfonic acid disodium salt monohydrate (3,5-Pyrocatechol Disulphonic Acid Disodium Salt)

Product Code.	02711	Grade	AR
Purity		CAS No.	149-45-1
Molecular Formula	C6H4Na2O8S2	Molecular Weight	314.20
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Odour	Odorless
Melting point/ Freezing point [°C]	> 300 °C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	White to off -white powder
Identity (UV/VIS spectrum)	Passes test
Absorption maxima (buffer pH 2.5)	290 - 291 nm
Specific absorptivity A 1%/1cm (Imax; 0.005%; buffer pH 2.5; calculated on dried substance)	100 - 125
Water (by KF)	4.5 - 6.5 %
Suitability (as indicator for metal titration)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

TITANIUM TRICHLORIDE SOLUTION 15% W/V FOR SYNTHESIS

Titanium(III) chloride solution ; (titanous chloride solution) (titanium chloride solution)

Product Code.	02716	Grade	For Synthesis
Purity	15%	CAS No.	7/9/7705
Molecular Formula	TiCl ₃	Molecular Weight	154.23
H.S.Code	3822.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Purple	pH value	Acidic
Boiling point [°C]	100°C	Vapour pressure [20°C]	17.535 mm of Hg (@ 20°C)	Vapour pressure mm/Hg	17.535 mm of Hg (@ 20°C)
Vapour density	0.62	Density [g/cm ³]	1.22	Solubility in water [% weight]	Patially soluble in water

Specification

Appearance	Dark violet blue liquid.
Assay (w/v)	14.5 - 15.5%

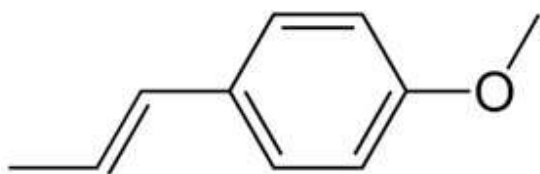
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07 Signal Word: Danger UN No.: 3264 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H314-H335 Precaution Statement: P261-P280-P305 + P351 + P338-P422

TRANS-ANETHOL 99% FOR SYNTHESIS

4-Propenylanisole, 1-Methoxy-4-(1-propenyl)benzene

Product Code.	00264	Grade	
Purity	99%	CAS No.	4180-23-8
Molecular Formula	C10H12O	Molecular Weight	148.21
H.S.Code	2909.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless	Odour	Black licorice odor
Melting point/ Freezing point [°C]	20 - 21 °C	Flash point [°C]	91 °C	Vapour pressure [20°C]	0.037 mm Hg @ 20°C
Vapour pressure mm/Hg	0.037 mm Hg @ 20°C	Vapour density	5.1	Density [g/cm3]	0.988

Specification

Appearance	Clear colorless to light yellow liquid
Assay	Min 99.0%
Density (d20°C/4°C)	0.987 - 0.989 g/ml

Safety Information and Hazard Symbols

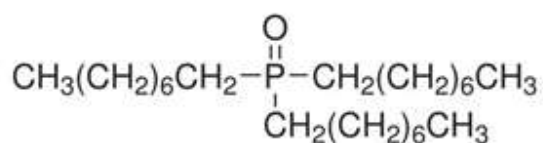


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H317
Precaution Statement: P280

TRI-N-OCTYL PHOSPHINE OXIDE 99% AR

For extraction analysis. TOPO; Trioctylphosphine oxide

Product Code.	02775	Grade	
Purity	99%	CAS No.	78-50-2
Molecular Formula	C ₂₄ H ₅₁ OP	Molecular Weight	386.64
H.S.Code	2931.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	50 - 52 °C
Flash point [°C]	110 °C	Boiling point [°C]	201 - 202 °C	Initial boiling point [°C]	201°C
Final boiling point [°C]	202 °C				

Specification

Appearance	A white crystalline powder
Assay	Min 99%
Melting range	52 - 56°C
Free acid (as H ₃ PO ₄)	Max 0.2%
Water (H ₂ O)	Max 0.5%

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: Danger

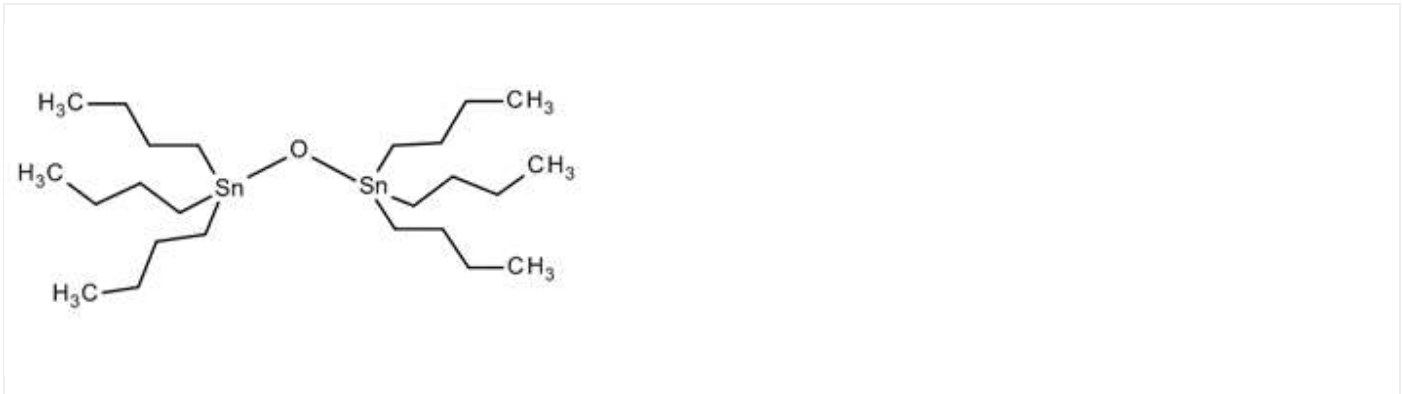
Hazardous Statement: H315-H318

Precaution Statement: P280-P305 + P351 + P338

TRIBUTYLTIN OXIDE 98% FOR SYNTHESIS

Bis(tributyltin) oxide

Product Code.	02747	Grade	
Purity	98%	CAS No.	56-35-9
Molecular Formula	C ₂₄ H ₅₄ O ₂ Sn ₂	Molecular Weight	596.08
H.S.Code	2931.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Strong odor
pH value	7.5	Flash point [°C]	190 °C	Boiling point [°C]	180 °C
Vapour pressure mm/Hg	2 mm Hg (@ 20°C)	Density [g/cm3]	1.17	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	3.2 - 3.8				

Packaging

Specification

Appearance	Colourless liquid
Assay	Min 98%
Density (d20°C/4°C)	1.169 - 1.172

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 2788

IMCO Class No.: 6.1

Packing Group: II

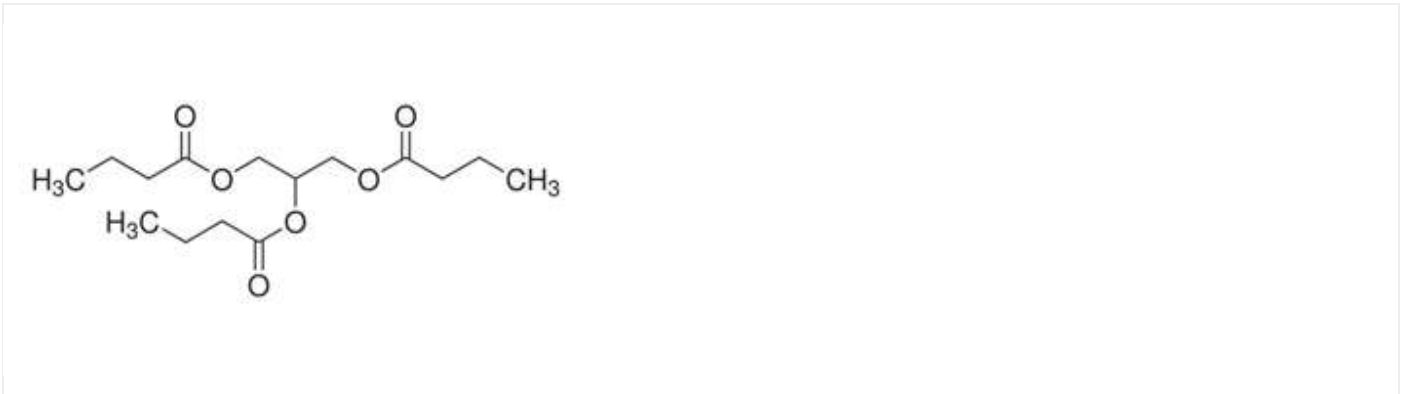
Hazardous Statement: H301-H312-H315-H319-H372-H410

Precaution Statement: P273-P280-P301 + P310-P305 + P351 + P338-P314-P501

TRIBUTYRIN 97% EXTRAPURE (GLYCEROL TRIBUTYRATE)

glycerol tributrate (suitable for milk bacteriology)

Product Code.	02748	Grade	
Purity	97%	CAS No.	60-01-5
Molecular Formula	C15H26O6	Molecular Weight	302.37
H.S.Code	2915.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
Flash point [°C]	174 °C	Boiling point [°C]	129 - 131 °C	Initial boiling point [°C]	129°C
Final boiling point [°C]	131 °C	Density [g/cm3]	1.032 g/mL at 20 °C		

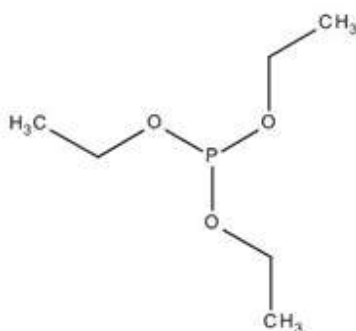
Specification

Appearance	Clear colorless to light yellow liquid
Assay (GC area %)	Min 97.0%
Identity (IR)	Passes test
Refractive index (20°C; 589 nm)	1.433 - 1.437
Specific gravity (at 25°C)	1.027 - 1.037

TRIETHYL PHOSPHITE (FOR SYNTHESIS)

P(EtO)₃; P(OEt)₃

Product Code.	02764	Grade	
Purity	97.5%	CAS No.	122-52-1
Molecular Formula	C ₆ H ₁₅ O ₃ P	Molecular Weight	166.16
H.S.Code	0.00000	Shelf Life	60 Months



Specification

Appearance	A clear, colourless liquid
Assay	Min 97.5%
Density (at 20°C)	0.955 – 0.957
Colour scale	Max 20 APHA

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Warning

UN No.: 2323

IMCO Class No.: 3

Packing Group: III

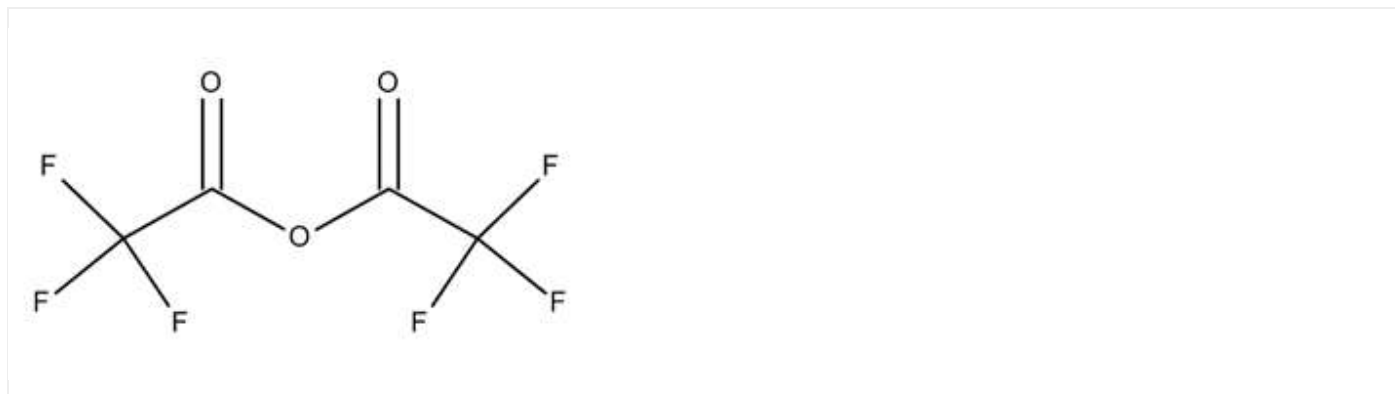
Hazardous Statement: H226-H302-H315-H319-H332-H335

Precaution Statement: P261-P305 + P351 + P338

TRIFLUOROACETIC ANHYDRIDE 99% FOR SEQUENTIAL ANALYSIS

TFAA (for sequential analysis)

Product Code.	02767	Grade	
Purity	99%	CAS No.	407-25-0
Molecular Formula	C4F6O3	Molecular Weight	210.04
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-65 °C
Boiling point [°C]	40 °C	Vapour pressure [20°C]	432.9 hPa at 20 °C	Density [g/cm3]	1.511

Specification

Appearance	A clear, colourless liquid
Assay (GC area %)	Min 99%
Density (d20°C/4°C)	1.508 - 1.511
Identity (IR)	Passes test

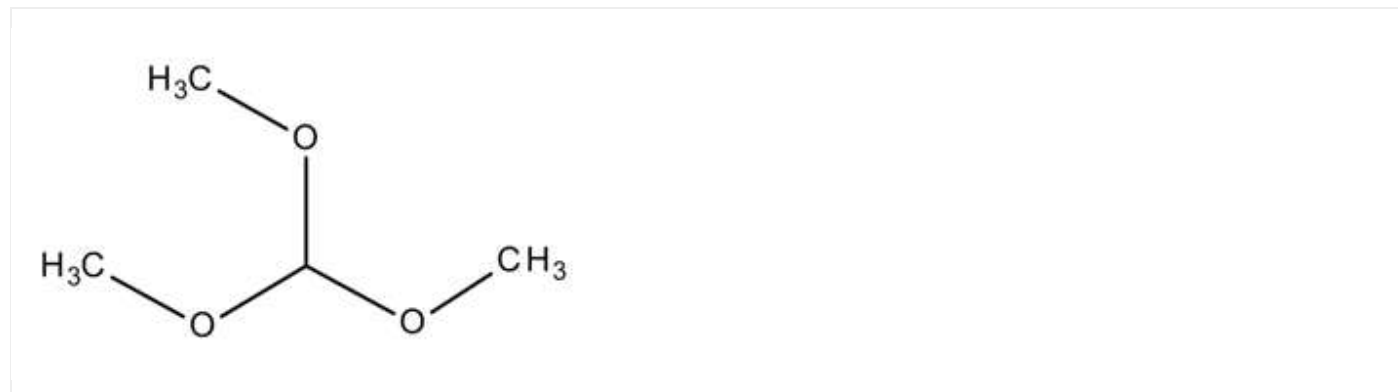
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07 Signal Word: Danger UN No.: 3265 IMCO Class No.: 8 Packing Group: I Hazardous Statement: H314-H332 Precaution Statement: P280-P305 + P351 + P338-P310

TRIMETHYL ORTHOFORMATE 98% FOR SYNTHESIS

Trimethoxymethane ; (methyl orthoformate)

Product Code.	02772	Grade	For Synthesis
Purity	98%	CAS No.	149-73-5
Molecular Formula	C4H10O3	Molecular Weight	106.12
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Pungent,Aromatic, ester-like
Melting point/ Freezing point [°C]	-53°C	Auto-ignition temperature [°C]	255 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	13 °C	Boiling point [°C]	101 - 102 °C	Initial boiling point [°C]	101 °C
Final boiling point [°C]	102 °C	Vapour pressure [20°C]	53 hPa at 30 °C	Vapour density	3.67
Density [g/cm3]	0.9676	Solubility in water [% weight]	Hydrolyzes in water	Partition coefficient Log Pow octanol / water at 20°C	0.3
Explosion limits - upper [%]	5.10%	Explosion limits -lower [%]	1.40%		

Packaging

Specification

Appearance	Colorless liquid
Purity (by GC)	Min 98.0%
Density (d20°C/4°C)	0.96 - 0.970 g/ml

Identity (IR)

Conforms

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 3272

IMCO Class No.: 3

Packing Group: II

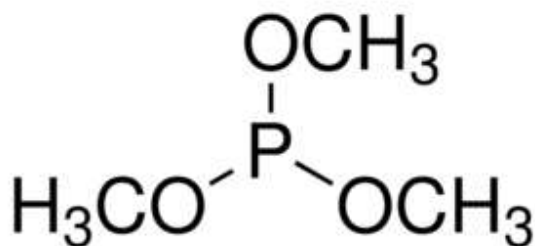
Hazardous Statement: H225-H319

Precaution Statement: P210-P305 + P351 + P338

TRIMETHYL PHOSPHITE 98% FOR SYNTHESIS

Methyl phosphite; P(OMe)₃; Trimethoxyphosphine

Product Code.	02773	Grade	
Purity	98%	CAS No.	121-45-9
Molecular Formula	C ₃ H ₉ O ₃ P	Molecular Weight	124.08
H.S.Code	2920.90990	Shelf Life	60 Months



Specification

Appearance	Clear colorless liquid
Assay (GC area %)	Min 98.0%
Identity (IR)	Passes test
Density (at 25°C)	1.051-1.053 g/mL

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS07

Signal Word: Danger

UN No.: 2329

IMCO Class No.: 3

Packing Group: III

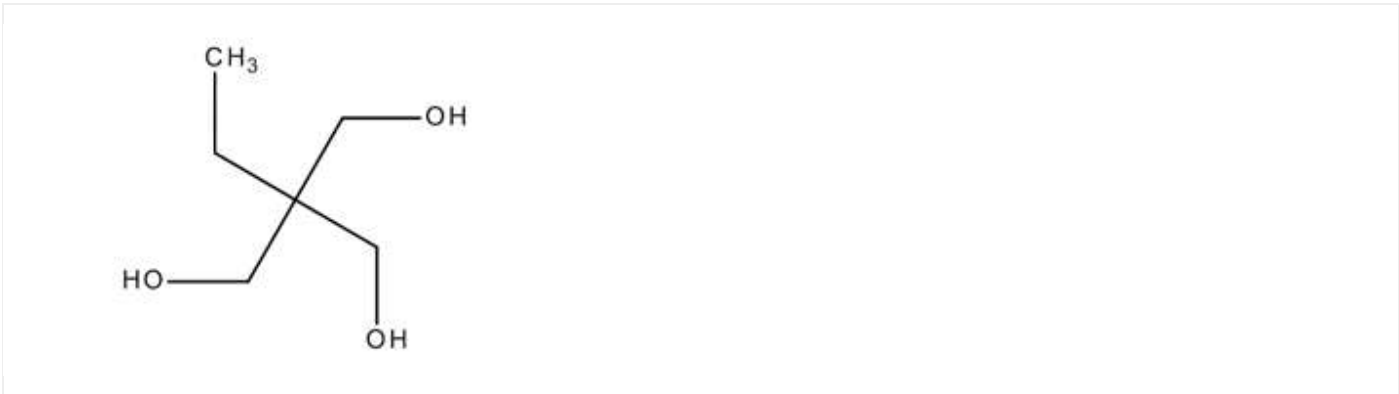
Hazardous Statement: H226-H302-H315-H318-H335

Precaution Statement: P261-P280-P305+351+338

TRIMETHYLOL PROPANE 98% EXTRAPURE

2-Ethyl-2-hydroxymethyl-1,3-propanediol

Product Code.	02771	Grade	
Purity	98%	CAS No.	77-99-6
Molecular Formula	C6H14O3	Molecular Weight	134.20
H.S.Code	2905.41000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White scales	Odour	Slight odour
Melting point/ Freezing point [°C]	56 - 58 °C	Flash point [°C]	172°C	Boiling point [°C]	159 - 161 °C
Initial boiling point [°C]	159°C	Final boiling point [°C]	161 °C	Vapour pressure mm/Hg	67 mm Hg at 210 °C
Vapour density	4.8	Solubility in water [% weight]	Soluble in water	Partition coefficient Log Pow octanol / water at 20°C	-2.37
Explosion limits - upper [%]	11.80%	Explosion limits -lower [%]	2%		

Packaging

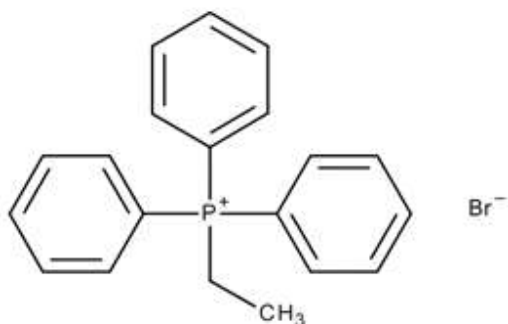
Specification

Appearance	White scales or crystals
Assay	Min 98%
Solubility (0.1 g/mL in water)	Clear
Melting point	56 - 59°C

TRIPHENYL ETHYL PHOSPHONIUM BROMIDE 98% FOR SYNTHESIS

Ethyltriphenylphosphonium bromide

Product Code.	02776	Grade	
Purity	98%	CAS No.	1530-32-1
Molecular Formula	C ₂₀ H ₂₀ BrP	Molecular Weight	371.27
H.S.Code	2931.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	206 °C
Decomposition point [°C]	275 °C	Flash point [°C]	> 200 °C	Solubility in water [% weight]	120 g/l (23°C)

Specification

Appearance	White crystals/crystalline powder
Assay	Min 98%
Melting range	205-207 deg C

Safety Information and Hazard Symbols



Symbol: GHS06, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

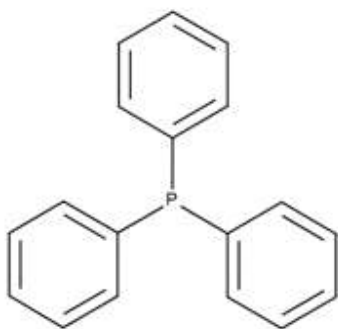
Hazardous Statement: H301-H411

Precaution Statement: P273-P301 + P310

TRIPHENYL PHOSPHINE 98% EXTRAPURE

Phosphorustriphenyl

Product Code.	02778	Grade	Extrapure
Purity	98%	CAS No.	603-35-0
Molecular Formula	C ₁₈ H ₁₅ P	Molecular Weight	262.29
H.S.Code	2931.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	79 - 81 °C
Flash point [°C]	180 °C	Boiling point [°C]	377 °C	Vapour density	9.06
Density [g/cm ³]	1.194	Partition coefficient Log Pow octanol / water at 20°C	4.5		

Specification

Appearance	White Pellets or white crystalline powder
Assay (by HClO ₄ titration)	Min 98.0%
Melting range	78 - 81°C

Safety Information and Hazard Symbols

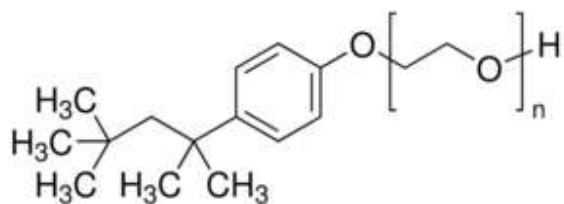


Symbol: GHS07, GHS08
Signal Word: Warning
Hazardous Statement: H302-H317-H373
Precaution Statement: P280

TRITON X 100 EXTRAPURE

iso-octyl phenoxy polyethoxy ethanol

Product Code.	02784	Grade	Extrapure
Purity		CAS No.	9002-93-1
Molecular Formula		Molecular Weight	0.00
H.S.Code	3402.13000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Pale yellow	Odour	Odorless
pH value	9.7	Melting point/ Freezing point [°C]	6 °C	Flash point [°C]	251 °C
Boiling point [°C]	> 200 °C	Vapour pressure [20°C]	< 1.33 hPa at 20 °C	Density [g/cm3]	1.07
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	Clear colorless to pale yellow viscous liquid
Weight/ mL at 20°C	About 1.06 gm
pH (5% solution in water)	6 - 8

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09
Signal Word: Warning
UN No.: 3082
IMCO Class No.: 9
Packing Group: III
Hazardous Statement: H302-H319-H411
Precaution Statement: P273-P305 + P351 + P338

TWEEN® -20 EXTRAPURE (POLYOXYETHYLENE (20) SORBITAN MONOLAURATE)

POLYOXYETHYLENE (20) SORBITTAN MONOLAURATE ; (polysorbate 20) [polyethylene (20) sorbitan mono laurate]

Product Code.	02800	Grade	Extrapure
Purity		CAS No.	9005-64-5
Molecular Formula	C58H114O26	Molecular Weight	1227.72
H.S.Code	3402.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Golden yellow	pH value	7
Flash point [°C]	110 °C	Boiling point [°C]	100 °C	Vapour pressure [20°C]	< 1.33 hPa at 20 °C
Density [g/cm3]	1.095	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Pale yellow to amber color viscous liquid
Hydroxyl number	97 - 113
Sapnification value	40 - 51
Density (d20°C/4°C)	1.105 - 1.107 g/ml

TWEEN® -80 EXTRAPURE (POLYOXYETHYLENE (20) SORBITAN MONOOLEATE)

Polyoxyethylene (20) Sorbitan Mono Oleate, Polysorbate 80

Product Code.	02802	Grade	Extrapure
Purity		CAS No.	9005-65-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	3402.90990	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Golden yellow	pH value	6
Flash point [°C]	110 °C	Boiling point [°C]	>100°C	Vapour pressure [20°C]	<0.1 kPa (@ 20°C)
Density [g/cm3]	1.08	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

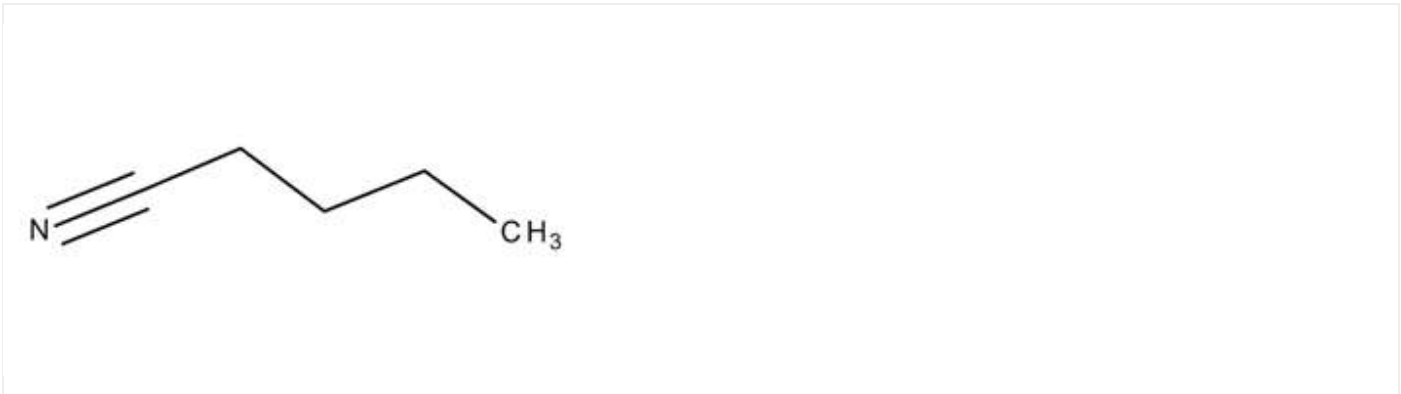
Appearance	Golden yellow /amber color viscous liquid
Refractive index (20°C; 589 nm)	1.471-1.473
Acid value (mg KOH/gm)	Max 2
Saponification value	45-55
Viscosity (25°C)	400-500 cSt
Water (H2O)	Max 3.0%
Weight/ mL at 20°C	1.077-1.081 g/ml

Safety Information and Hazard Symbols

VALERONITRILE 98% FOR SYNTHESIS

Butyl cyanide ; (n-butyl cyanide)

Product Code.	02817	Grade	
Purity	98%	CAS No.	110-59-8
Molecular Formula	C5H9N	Molecular Weight	83.13
H.S.Code	2926.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	96 °C
Auto-ignition temperature [°C]	520 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	40 °C
Boiling point [°C]	139 - 141 °C	Initial boiling point [°C]	139 °C	Final boiling point [°C]	141 °C
Vapour pressure [20°C]	7.1 hPa at 20 °C	Vapour density	2.8	Density [g/cm3]	0.795

Packaging

Specification

Appearance	Clear colourless liquid
Assay (by GC)	Min 98%
Density (d20°C/4°C)	0.798 - 0.800

Safety Information and Hazard Symbols



Symbol: GHS02, GHS06

Signal Word: Danger

UN No.: 1992

IMCO Class No.: 3,6.1

Packing Group: II

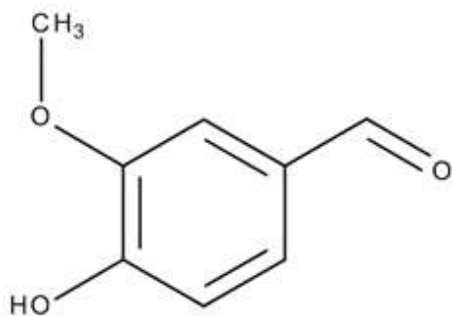
Hazardous Statement: H226-H301

Precaution Statement: P301 + P310

VANILLIN 99% FOR SYNTHESIS

4-Hydroxy-3-methoxybenzaldehyde

Product Code.	02823	Grade	For Synthesis
Purity	99%	CAS No.	121-33-5
Molecular Formula	CH3O.C6H3(OH).CHO	Molecular Weight	152.15
H.S.Code	2912.41000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to light yellow	Odour	Aromatic vanilla odour
pH value	4.3 (10 g/l)	Melting point/ Freezing point [°C]	81 - 83 °C	Auto-ignition temperature [°C]	400 °C
Flash point [°C]	147°C	Boiling point [°C]	170 °C	Vapour pressure mm/Hg	1 mm Hg at 107 °C
Vapour density	5.2	Density [g/cm3]	1.056	Solubility in water [% weight]	11 g/l @ 25°C
Partition coefficient Log Pow octanol / water at 20°C	1.4				

Packaging

Specification

Appearance	A white or slightly yellow powder or crystalline needles; odour, characteristic of vanilla
Assay	Min 99.0%

Melting point	81- 83°C
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

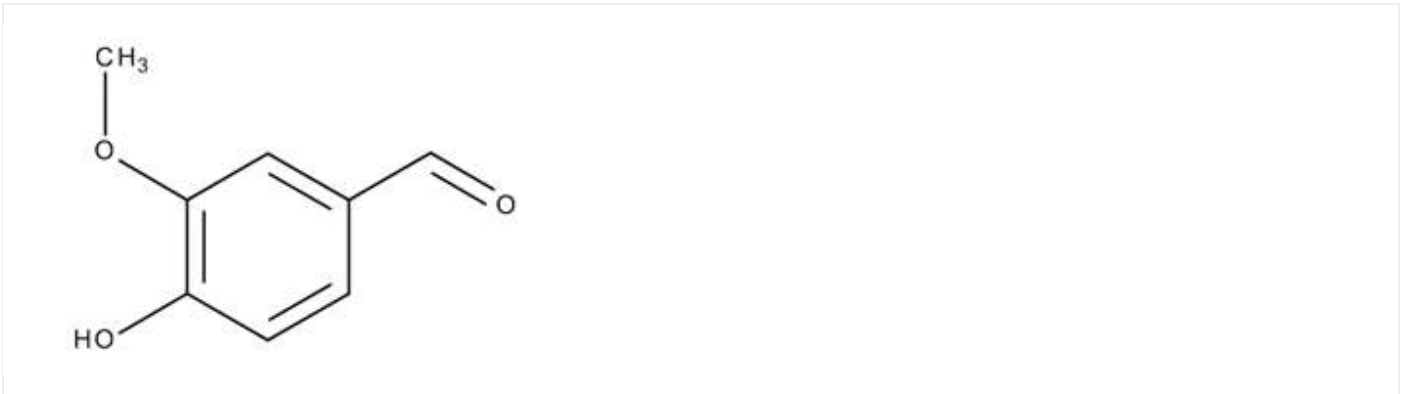
Hazardous Statement: H302-H317-H319

Precaution Statement: P280-P305 + P351 + P338

VANILLIN 99.9% AR

4-Hydroxy-3-methoxybenzaldehyde

Product Code.	02824	Grade	AR
Purity	99.9%	CAS No.	121-33-5
Molecular Formula	C8H8O3	Molecular Weight	152.15
H.S.Code	2912.41000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to light yellow	Odour	Aromatic vanilla odour
pH value	4.3 (10 g/l)	Melting point/ Freezing point [°C]	81 - 83 °C	Auto-ignition temperature [°C]	400 °C
Flash point [°C]	147°C	Boiling point [°C]	170 °C	Vapour pressure mm/Hg	1 mm Hg at 107 °C
Vapour density	5.2	Density [g/cm3]	1.056	Solubility in water [% weight]	11 g/l @ 25°C
Partition coefficient Log Pow octanol / water at 20°C	1.4				

Packaging

Specification

Appearance	A white to cream or slightly yellow colored powder or crystalline needles; odour, characteristic of vanilla
Purity (by GC)	Min 99.9%

Melting point	81 - 83°C
Alcohol insoluble matter	Max 0.01%
Sulphated ash	Max 0.01%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

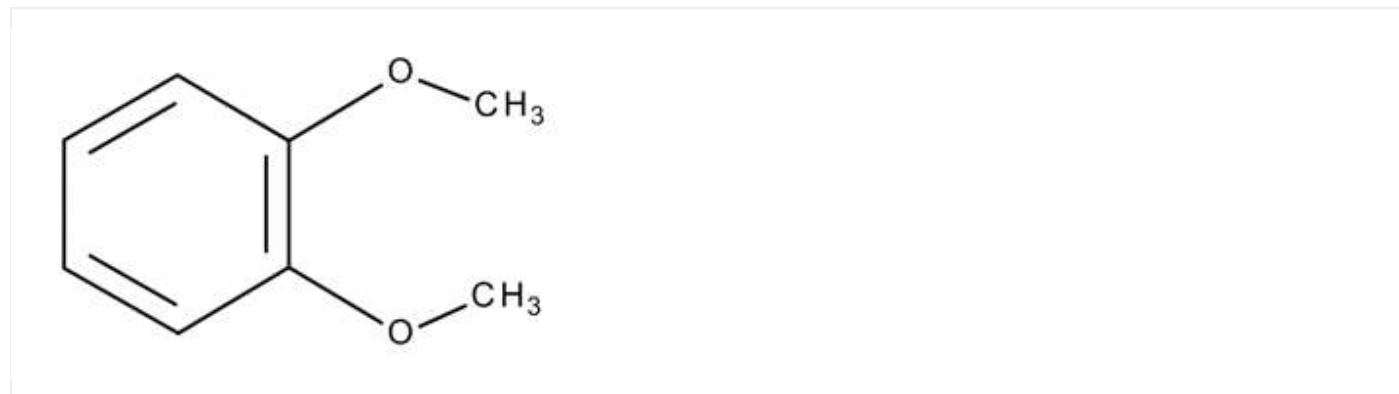
Hazardous Statement: H302-H317-H319

Precaution Statement: P280-P305 + P351 + P338

VERATROLE 98% FOR SYNTHESIS

Pyrocatechol dimethyl ether

Product Code.	02827	Grade	
Purity	98%	CAS No.	91-16-7
Molecular Formula	C8H10O2	Molecular Weight	138.20
H.S.Code	2909.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Melting point/ Freezing point [°C]	15 °C
Flash point [°C]	72 °C	Boiling point [°C]	206 - 207 °C	Initial boiling point [°C]	206 °C
Final boiling point [°C]	207 °C	Vapour pressure mm/Hg	1.3 mm Hg @ 50 °C	Density [g/cm3]	1.084
Solubility in water [% weight]	Insoluble in water				

Packaging

Specification

Appearance	Clear colourless to yellow liquid
Assay (GC area %)	Min 98%
Density (at 25°C)	1.084-1.086 g/ml
Refractive index (20°C; 589 nm)	~1.534

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H302

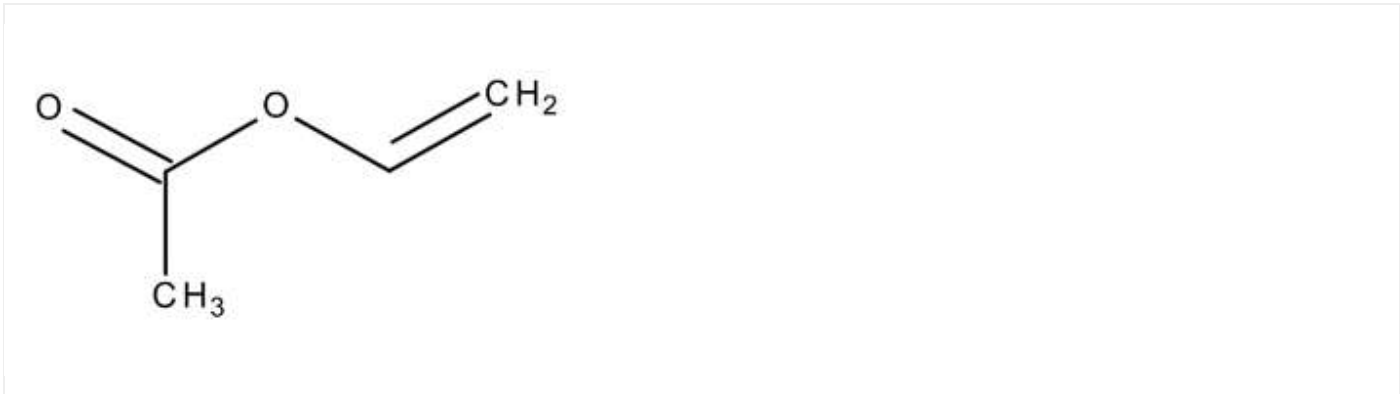
Risk Statement: 22

Safety Statement: 36

VINYL ACETATE MONOMER 99% FOR SYNTHESIS

Acetoxyethylene (stabilized with hydroqrunme)

Product Code.	02829	Grade	For Synthesis
Purity	99%	CAS No.	108-05-4
Molecular Formula	C4H6O2	Molecular Weight	86.09
H.S.Code	2915.32000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless to light yellow	Odour	Sweet-to-sharp
Odour threshold	0.12 ppm	Melting point/ Freezing point [°C]	-93.2°C	Auto-ignition temperature [°C]	402°C
Flammability (solid, gas)	Flammable	Flash point [°C]	-7.8°C	Boiling point [°C]	72.2°C
Vapour pressure [20°C]	83 mm of Hg (@ 20°C)	Vapour pressure mm/Hg	83 mm of Hg (@ 20°C)	Vapour density	3
Density [g/cm3]	0.9317	Solubility in water [% weight]	Soluble in cold water	Explosion limits - upper [%]	13.40%
Explosion limits -lower [%]	2.60%				

Packaging

Specification

Appearance	Clear colourless liquid
Assay	Min 99%

Density (d20°C/4°C)

0.931 - 0.932

Safety Information and Hazard Symbols



Symbol: GHS02

Signal Word: Danger

UN No.: 1301

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225

Precaution Statement: P210

WANKLYN SOLUTION

1 ml = 1 mg CaCO3

Product Code.	02836	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Flammability (solid, gas)	Flammable
Flash point [°C]	21 °C	Boiling point [°C]	78°C	Density [g/cm3]	0.9
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	Clear colorless to yellowish solution
Suitability	1ml = 1mg+/-1% Calcium carbonate

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Danger UN No.: 1993 IMCO Class No.: 3 Packing Group: II Risk Statement: 10 Safety Statement: 16-25-33

WIJ'S SOLUTION (IODINE MONOCHLORIDE SOLUTION)

IODINE MONOCHLORIDE SOLUTION ;wij's reagent

Product Code.	02839	Grade	
Purity		CAS No.	7790-99-0
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	36 Months

ICI

Physical Properties

Physical state at 20 °C	Liquid	Colour	Dark orange to brown	pH value	2.4
Auto-ignition temperature [°C]	427°C	Flash point [°C]	40°C	Boiling point [°C]	118°C
Evaporation rate	0.97	Vapour pressure [20°C]	11 mm Hg @ 20°C	Vapour pressure mm/Hg	11 mm Hg @ 200C
Vapour density	2.1	Density [g/cm3]	1.05	Solubility in water [% weight]	Infinitely soluble

Specification

Appearance	A dark orange to brown solution
Assay (halogen content as molarity)	0.1M ± 0.002M

Safety Information and Hazard Symbols

 
Symbol: GHS05, GHS08 Signal Word: Danger UN No.: 2920 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H314-H334-H351 Precaution Statement: P261-P280-P305 + P351 + P338-P310

WOOD'S METAL AR

Low melting alloy. Lipowitz's alloy

Product Code.	02840	Grade	
Purity		CAS No.	8049-22-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	8107.90900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Silvery grey	Odour	Odorless
Melting point/ Freezing point [°C]	73 - 77 °C	Density [g/cm3]	9.7	Solubility in water [% weight]	Insoluble in water

Packaging

Specification

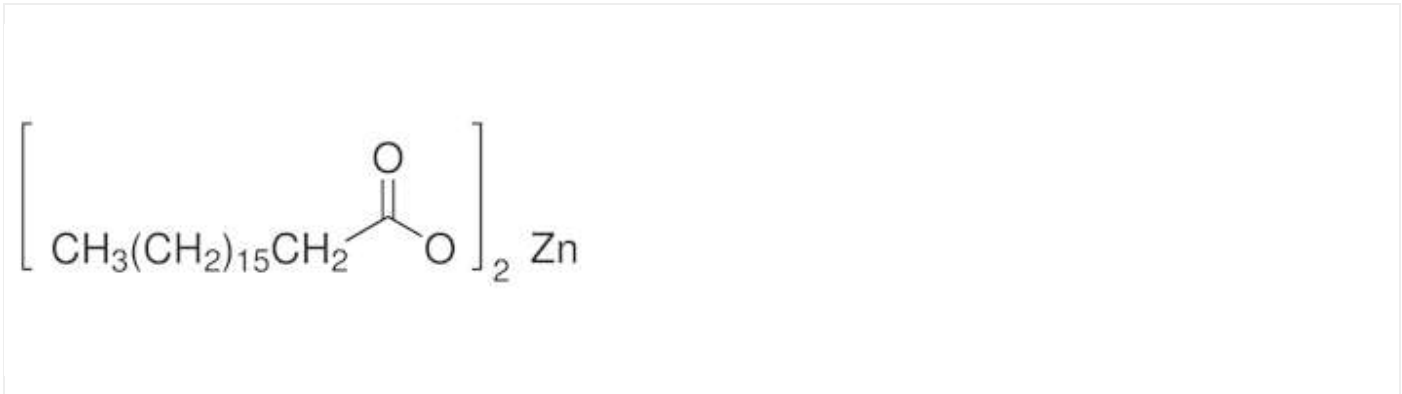
Appearance	Silvery grey metal
Melting point	74 - 77°C

Safety Information and Hazard Symbols

ZINC STEARATE EXTRAPURE

Confirms to IP Stearic acid zinc salt

Product Code.	02884	Grade	Extrapure
Purity		CAS No.	557-05-1
Molecular Formula	[CH3(CH2)16COO]2Zn	Molecular Weight	632.33
H.S.Code	2915.70900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Melting point/ Freezing point [°C]	128 - 130 °C	Auto-ignition temperature [°C]	790 °C	Flash point [°C]	277 °C
Density [g/cm3]	1.095	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance	Fine white amorphous powder Odor faint &characteristics;
Assay (as Zn; complexometric)	10 - 12%
Identification	Passes test
Acidity or alkalinity	Passes test
Alkalies & alkaline earth metals	Passes test
Arsenic (As)	Max 0.0002%
Heavy metal (as Pb)	Max 0.001%
Chloride (Cl)	Max 0.025%
Sulphate (SO4)	Max 0.6%

По вопросам продаж и поддержки обращайтесь:

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Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
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Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
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Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

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Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
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