

Растворители высокой чистоты

Технические характеристики

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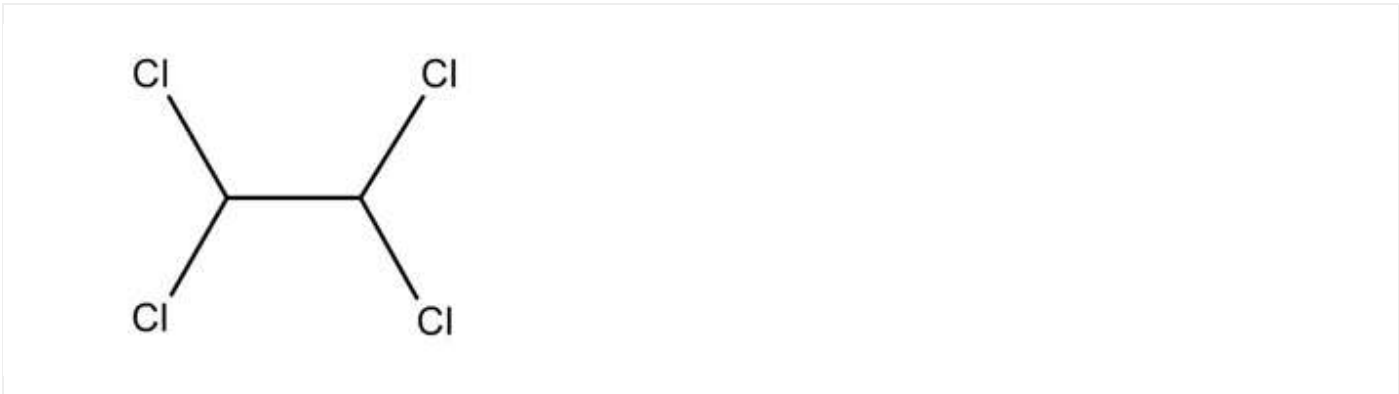
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эл.почта: pva@nt-rt.ru || сайт: <https://pallav.nt-rt.ru/>

1,1,2,2-TETRACHLOROETHANE 98.5% AR

Acetylene tetrachloride

Product Code.	02643	Grade	AR
Purity	98.5%	CAS No.	79-34-5
Molecular Formula	C2H2Cl4	Molecular Weight	167.85
H.S.Code	2903.19100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Chloroform-like odor
Melting point/ Freezing point [°C]	-43 °C	Boiling point [°C]	147 °C	Evaporation rate	0.65
Vapour pressure [20°C]	10.7 hPa at 20°C	Vapour density	5.8	Density [g/cm3]	1.59
Solubility in water [% weight]	Slight, 0.3 g/100g water @ 250C	Partition coefficient Log Pow octanol / water at 20°C	5		

Packaging

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Specification

Appearance	Clear colorless liquid***
Purity (by GC)	Min 98.5%
Density (d20°C/4°C)	1.594 - 1.596 g/ml
***May darken on storage	-

Safety Information and Hazard Symbols



Symbol: GHS06, GHS09

Signal Word: Danger

UN No.: 1702

IMCO Class No.: 6.1

Packing Group: II

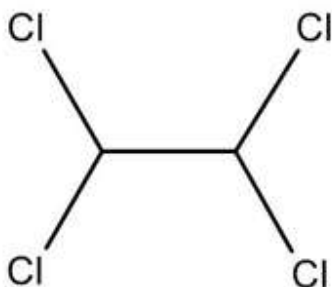
Hazardous Statement: H310-H330-H411

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

1,1,2,2-TETRACHLOROETHANE 98% EXTRAPURE

Acetylene tetrachloride

Product Code.	02642	Grade	
Purity	98%	CAS No.	79-34-5
Molecular Formula	C2H2Cl4	Molecular Weight	167.85
H.S.Code	2903.19100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Chloroform-like odor
Melting point/ Freezing point [°C]	-43 °C	Boiling point [°C]	147 °C	Evaporation rate	0.65
Vapour pressure [20°C]	10.7 hPa at 20°C	Vapour density	5.8	Density [g/cm3]	1.59
Solubility in water [% weight]	Slight, 0.3 g/100g water @ 250C	Partition coefficient Log Pow octanol / water at 20°C	5		

Specification

Appearance	Clear colorless liquid
Assay	Min 98%
Density (d20°C/4°C)	1.594 - 1.596

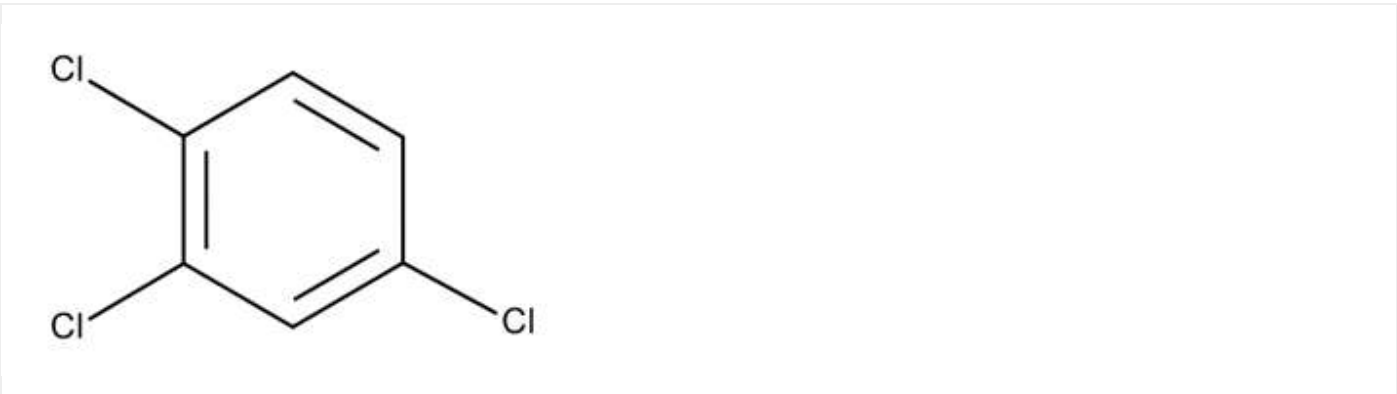
Safety Information and Hazard Symbols



Symbol: GHS06, GHS09
Signal Word: Dange
UN No.: 1702
IMCO Class No.: 6.1
Packing Group: II
Hazardous Statement: H310-H330-H411
Precaution Statement: P260-P273-P280-P284-P302 + P350-P310

1,2,4-TRICHILOROBENZENE 98% FOR SYNTHESIS

Product Code.	02749	Grade	
Purity	98%	CAS No.	120-82-1
Molecular Formula	C6H3Cl3	Molecular Weight	181.45
H.S.Code	2903.92290	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Characteristic aromatic odor
Melting point/ Freezing point [°C]	16 °C	Flash point [°C]	110°C	Boiling point [°C]	214 °C
Vapour pressure mm/Hg	1 mm Hg @ 38.40C	Vapour density	6.26	Density [g/cm3]	1.45
Solubility in water [% weight]	Negligible (< 0.1%)	Partition coefficient Log Pow octanol / water at 20°C	4	Explosion limits - upper [%]	6.60%
Explosion limits -lower [%]	2.50%				

Packaging

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Specification

Appearance	Clear colorless liquid
Assay (GC area %)	Min 98%
Density (d20°C/4°C)	1.454 - 1.455

Refractive index (20°C; 589 nm)

~1.5707

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 2321

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H302-H315-H410

Precaution Statement: P273-P501

1,3-DIOXOLANE 99% AR

Ethylene glycol methylene ether, Formaldehyde ethylene acetal

Product Code.	01071	Grade	AR
Purity	99%	CAS No.	646-06-0
Molecular Formula	C3H6O2	Molecular Weight	74.06
H.S.Code	2932.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-95 °C
Auto-ignition temperature [°C]	274 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	-3 °C
Boiling point [°C]	75 - 76 °C	Initial boiling point [°C]	75°C	Final boiling point [°C]	76 °C
Vapour pressure mm/Hg	70 mm of Hg (@ 20°C)	Vapour density	2.6	Density [g/cm3]	1.0666
Relative density, gas (air=1)	2.56	Solubility in water [% weight]	Soluble	Partition coefficient Log Pow octanol / water at 20°C	0.37

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.0%
Density (d20°C/4°C)	1.064 - 1.066 g/ml
Water (by KF)	Max 0.3%

Identity (IR)

Passes test

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS09

Signal Word: Danger

UN No.: 1166

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H302-H315-H319-H411

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

1,3-DIOXOLANE 99% FOR SYNTHESIS

1,3-Dioxacyclopentane

Product Code.	01070	Grade	
Purity	99%	CAS No.	646-06-0
Molecular Formula	C3H6O2	Molecular Weight	74.06
H.S.Code	2932.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-95 °C
Auto-ignition temperature [°C]	274 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	-3 °C
Boiling point [°C]	75 - 76 °C	Initial boiling point [°C]	75°C	Final boiling point [°C]	76 °C
Vapour pressure mm/Hg	70 mm of Hg (@ 20°C)	Vapour density	2.6	Density [g/cm3]	1.0666
Relative density, gas (air=1)	2.56	Solubility in water [% weight]	Soluble	Partition coefficient Log Pow octanol / water at 20°C	0.37

Packaging

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Specification

Appearance	A clear colorless liquid
Assay (GC area %)	Min 99%
Density (d20°C/4°C)	1.064-1.066
Water (by KF)	Max 0.5%

Identity (IR)

Passes test

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS09

Signal Word: Danger

UN No.: 1166

IMCO Class No.: 3

Packing Group: II

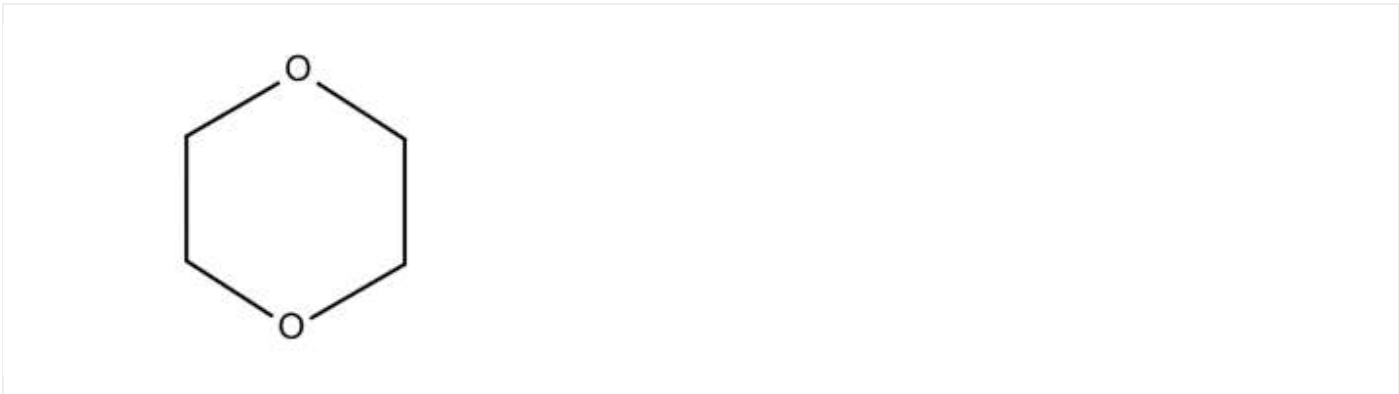
Hazardous Statement: H225-H302-H315-H319-H411

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

1,4-DIOXANE 99.5% AR

Diethylene oxide; Dioxane

Product Code.	01073	Grade	AR
Purity	99.5%	CAS No.	123-91-1
Molecular Formula	C4H8O2	Molecular Weight	88.11
H.S.Code	2932.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Faint ether-like odor
pH value	6 to 8	Melting point/ Freezing point [°C]	10 - 12 °C	Auto-ignition temperature [°C]	180 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	12 °C	Boiling point [°C]	100 - 102 °C
Initial boiling point [°C]	100°C	Final boiling point [°C]	102 °C	Evaporation rate	2.7
Vapour pressure [20°C]	36 hPa at 20 °C	Vapour density	3.03	Density [g/cm3]	1.03
Relative density, gas (air=1)	3.04	Partition coefficient Log Pow octanol / water at 20°C	-0.27	Explosion limits - upper [%]	22%
Explosion limits -lower [%]	2%				

Packaging

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Specification

Appearance	A clear colorless liquid
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Assay	Min 99.5%
Weight/ mL at 20°C	1.032 - 1.034 g/ml
APHA colour	Max 10
Freezing point	Min 11°C
Refractive index (20°C; 589 nm)	1.421 - 1.423
Water (H2O)	Max 0.05%
Acidity (as CH3COOH)	Max 0.02%
Non volatile matter	Max 0.01%
Acetal [CH3CH(OC2H5)2]	Max 0.8%
Copper (Cu)	Max 0.0001%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.0001%

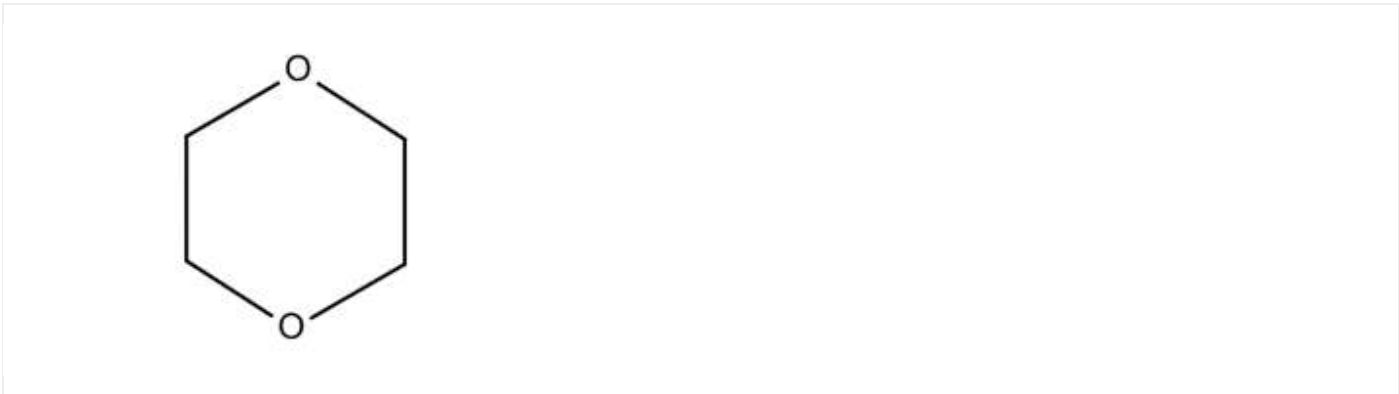
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1165 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H319-H335-H351 Precaution Statement: P210-P261-P281-P305 + P351 + P338

1,4-DIOXANE 99% FOR SYNTHESIS

Diethylene oxide; Dioxane

Product Code.	01072	Grade	
Purity	99%	CAS No.	123-91-1
Molecular Formula	C4H8O2	Molecular Weight	88.11
H.S.Code	2932.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Faint ether-like odor
pH value	6 to 8	Melting point/ Freezing point [°C]	10 - 12 °C	Auto-ignition temperature [°C]	180 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	12 °C	Boiling point [°C]	100 - 102 °C
Initial boiling point [°C]	100°C	Final boiling point [°C]	102 °C	Evaporation rate	2.7
Vapour pressure [20°C]	36 hPa at 20 °C	Vapour density	3.03	Density [g/cm3]	1.03
Relative density, gas (air=1)	3.04	Partition coefficient Log Pow octanol / water at 20°C	-0.27	Explosion limits - upper [%]	22%
Explosion limits -lower [%]	2%				

Packaging

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Specification

Appearance	A clear colorless liquid
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Assay	Min 99%
Weight/ mL at 20°C	1.030 - 1.035 g
Water (H2O)	Max 0.1%
Free acid (as acetic acid)	Max 0.01%
Peroxide (as H2O2)	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 1165

IMCO Class No.: 3

Packing Group: II

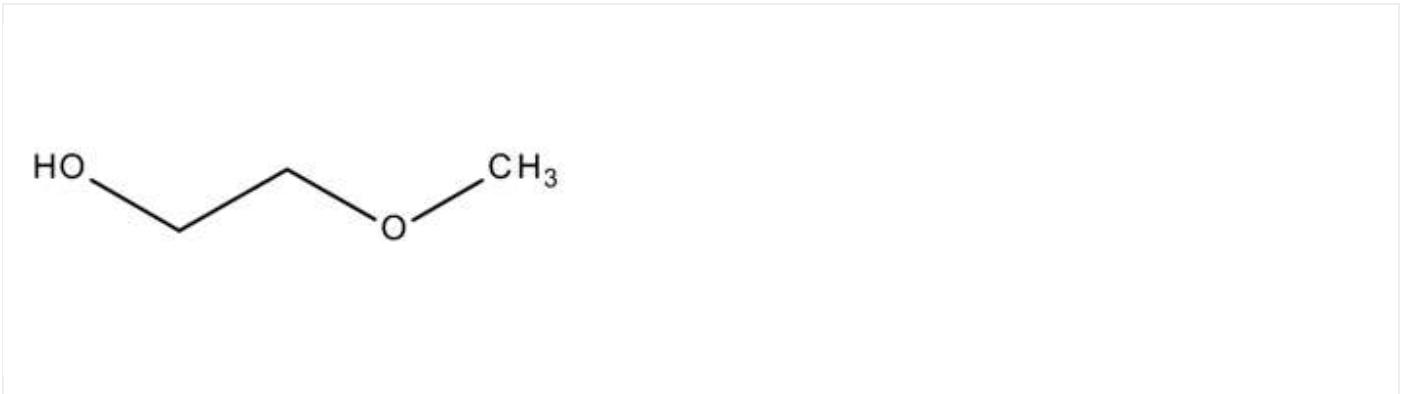
Hazardous Statement: H225-H319-H335-H351

Precaution Statement: P210-P261-P281-P305 + P351 + P338

2-METHOXYETHANOL 99.5% AR

Ethylene glycol monomethyl ether; Methyl glycol

Product Code.	01700	Grade	AR
Purity	99.5%	CAS No.	109-86-4
Molecular Formula	C3H8O2	Molecular Weight	76.10
H.S.Code	2909.44000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colourless	Odour	Pleasant odor
pH value	5- 7 at 25 °C	Melting point/ Freezing point [°C]	-85 °C	Auto-ignition temperature [°C]	286°C
Flammability (solid, gas)	Flammable	Flash point [°C]	40 °C	Boiling point [°C]	124 - 125 °C
Initial boiling point [°C]	124 °C	Final boiling point [°C]	125 °C	Evaporation rate	1
Vapour pressure [20°C]	10 hPa at 20 °C	Vapour density	2.63	Density [g/cm3]	0.96
Solubility in water [% weight]	Miscible in water	Partition coefficient Log Pow octanol / water at 20°C	-0.8	Explosion limits - upper [%]	24.50%
Explosion limits -lower [%]	2.50%				

Packaging

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Specification

Appearance	A clear colorless liquid
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Assay	Min 99.5%
Colour scale	Max 10 APHA
Weight/ mL at 20°C	0.960 - 0.964
Acidity (as CH ₃ COOH)	Max 0.001 meq/gm
Water (H ₂ O)	Max 0.1%
Peroxide (as H ₂ O ₂)	Max 0.002%*
Non volatile matter	Max 0.005%
* At the moment of batch analysis	

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 1188

IMCO Class No.: 3

Packing Group: III

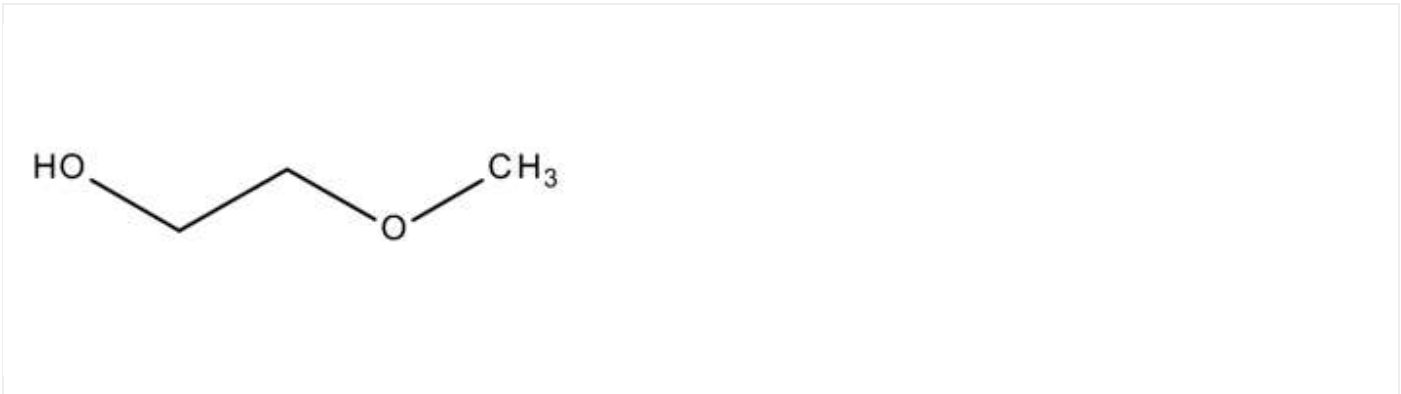
Hazardous Statement: H226-H302-H312-H332-H360FD

Precaution Statement: P201-P280-P308 + P313

2-METHOXYETHANOL 99% EXTRAPURE

Ethylene glycol monomethyl ether; Methyl glycol; Methyl Cellosolve

Product Code.	01699	Grade	Extrapure
Purity	99%	CAS No.	109-86-4
Molecular Formula	C3H8O2	Molecular Weight	76.10
H.S.Code	2909.44000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colourless	Odour	Pleasant odor
pH value	5- 7 at 25 °C	Melting point/ Freezing point [°C]	-85 °C	Auto-ignition temperature [°C]	286°C
Flammability (solid, gas)	Flammable	Flash point [°C]	40 °C	Boiling point [°C]	124 - 125 °C
Initial boiling point [°C]	124 °C	Final boiling point [°C]	125 °C	Evaporation rate	1
Vapour pressure [20°C]	10 hPa at 20 °C	Vapour density	2.63	Density [g/cm3]	0.96
Solubility in water [% weight]	Miscible in water	Partition coefficient Log Pow octanol / water at 20°C	-0.8	Explosion limits - upper [%]	24.50%
Explosion limits -lower [%]	2.50%				

Packaging

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Specification

Appearance	A clear colorless liquid
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Assay	Min 99.0%
Weight/ mL at 20°C	0.960 - 0.965 g/ml
Refractive index (20°C; 589 nm)	1.401 - 1.403
Dilution test	Passes test
Acidity	Max 0.005 meq/g

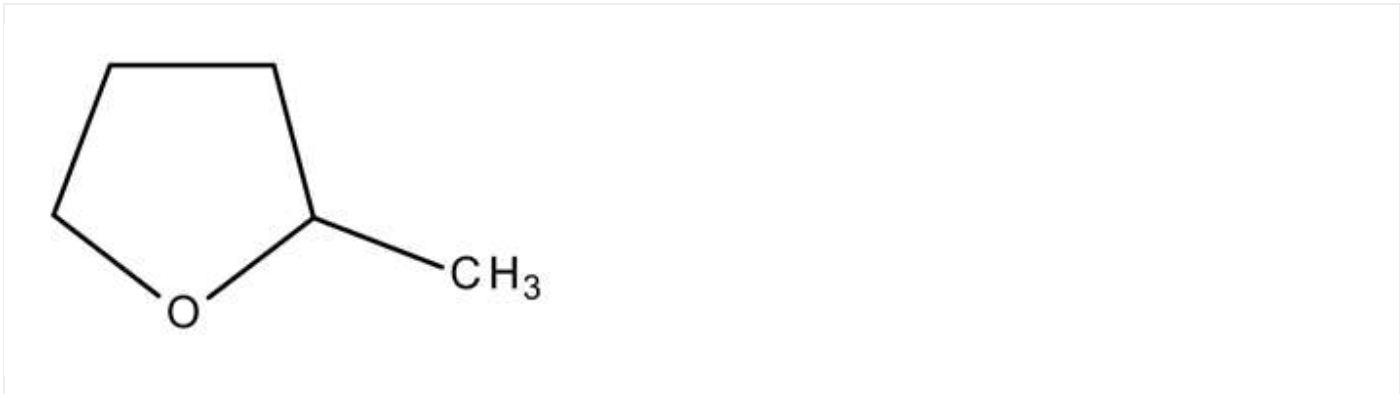
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1188 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226-H302-H312-H332-H360FD Precaution Statement: P201-P280-P308 + P313

2-METHYLTETRAHYDROFURAN 98% FOR SYNTHESIS

2-MeTHF, Tetrahydro-2-methylfuran, Tetrahydrosilvan

Product Code.	01747	Grade	For Synthesis
Purity	98%	CAS No.	96-47-9
Molecular Formula	C5H10O	Molecular Weight	86.13
H.S.Code	2932.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-136 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	-12,0 °C	Boiling point [°C]	77 - 79 °C
Initial boiling point [°C]	77 °C	Final boiling point [°C]	79 °C	Density [g/cm3]	0.853
Solubility in water [% weight]	Soluble	Partition coefficient Log Pow octanol / water at 20°C	1.26		

Packaging

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Specification

Appearance	Clear & Colorless liquid
Purity (by GC)	Min 98.0%
Density (d20°C/4°C)	0.852 - 0.855 g/ml
Peroxide (as H2O2)	Max 0.005%
Identity (IR)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS02

Signal Word: Danger

UN No.: 2536

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225

Precaution Statement: P210

3-PENTANONE, 98%, PURE

Product Code.	1946B	Grade	
Purity	98%	CAS No.	96-22-0
Molecular Formula	C5H10O	Molecular Weight	86.13
H.S.Code	2914.19900	Shelf Life	60 Months

Physical Properties

Packaging

Specification

Appearance (Color)	Clear colorless
Appearance (Form)	Liquid
Infrared spectrum	Conforms
GC	>=97.5 %
Refractive index	1.3910 to 1.3930 (20°C, 589 nm)

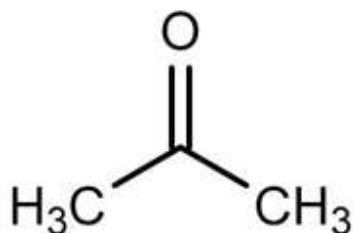
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1156 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H335-H336 Precaution Statement: P210-P261

ACETONE 99.5% AR

Propanone; Dimethyl Ketone

Product Code.	00028	Grade	AR
Purity	99.5%	CAS No.	67-64-1
Molecular Formula	(CH ₃) ₂ CO	Molecular Weight	58.08
H.S.Code	2914.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Fragrant, mint-like
Odour threshold	62 ppm	Melting point/ Freezing point [°C]	-95.35°C	Critical temperature [°C]	235°C
Auto-ignition temperature [°C]	465°C	Flammability (solid, gas)	Extremely flammable	Flash point [°C]	-20°C
Boiling point [°C]	56.2°C	Vapour pressure [20°C]	24 kPa	Vapour density	2
Density [g/cm ³]	0.79	Relative density, gas (air=1)	2	Solubility in water [% weight]	Complete

Packaging



Specification

Appearance	Clear colourless liquid with characteristics odour
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Identity (IR)	Confirms to structure
Colour scale	Max. 10 APHA
Solubility	Miscible with water
Purity (by GC)	Min. 99.5%
Refractive index (20°C; 589 nm)	1.3580 - 1.3600
Density (d20°C/4°C)	0.789 - 0.791 g/ml
Specific gravity	Max 0.789
Acidity (as CH ₃ COOH)	Max. 0.0003 meq/g
Alkalinity	Max. 0.0006 meq/g
Residue on evaporation	Max. 0.0005%
Aldehyde (as HCHO)	Max. 0.002%
Methanol (CH ₃ OH)	Max. 0.05%
2-Propanol	Max. 0.05%
Water (H ₂ O)	Max. 0.5%
Substance reducing KMnO ₄ (as O)	Max. 0.0002% (passes ACS)

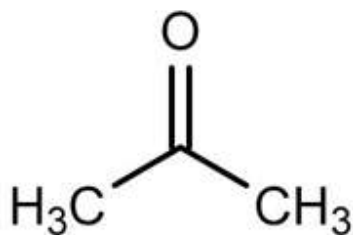
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1090 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H319-H336 Precaution Statement: P210-P261-P305 + P351 + P338

ACETONE 99% EXTRAPURE

Propanone; Dimethyl Ketone

Product Code.	00027	Grade	Extrapure
Purity	99%	CAS No.	67-64-1
Molecular Formula	(CH ₃) ₂ CO	Molecular Weight	58.08
H.S.Code	2914.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Fragrant, mint-like
Odour threshold	62 ppm	Melting point/ Freezing point [°C]	-95.35°C	Critical temperature [°C]	235°C
Auto-ignition temperature [°C]	465°C	Flammability (solid, gas)	Extremely flammable	Flash point [°C]	-20°C
Boiling point [°C]	56.2°C	Vapour pressure [20°C]	24 kPa	Vapour density	2
Density [g/cm ³]	0.79	Relative density, gas (air=1)	2	Solubility in water [% weight]	Complete

Packaging



Specification

Appearance	Clear colorless liquid with characteristics odor
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Purity (by GC)	Min 99.0%
Water (H ₂ O)	Max 0.5%
Acidity	Max 0.002 meq/gm
Weight/ mL at 20°C	0.789 - 0.792 g/ml
Non volatile matter	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1090

IMCO Class No.: 3

Packing Group: II

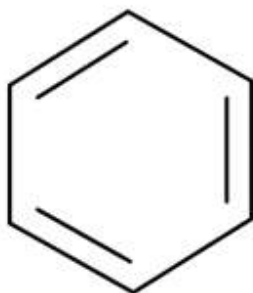
Hazardous Statement: H225-H319-H336

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

BENZENE (CRYSTALLIZABLE) (FOR SYNTHESIS)

Benzol; Phenyl hydride

Product Code.	00370	Grade	
Purity	99%	CAS No.	71-43-2
Molecular Formula	C6H6	Molecular Weight	78.11
H.S.Code	2902.20000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Aromatic odor
Melting point/ Freezing point [°C]	5.5 °C	Auto-ignition temperature [°C]	562°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-11 °C	Boiling point [°C]	80.0 - 80.2 °C	Vapour pressure [20°C]	99.5 hPa at 20 °C
Vapour density	2.8	Density [g/cm3]	0.8765	Relative density, gas (air=1)	0.88
Solubility in water [% weight]	0.180 g/100 ml @ 25°C	Viscosity at 40°C [mm2/s]	0.647mPa @ 20 deg C	Explosion limits - upper [%]	8.00%
Explosion limits -lower [%]	1.30%				

Packaging



Specification

Appearance	Clear colorless liquid
Assay	Min 99.0%
Weight/ mL at 20°C	0.875 - 0.879 g
Water (H2O)	Max. 0.1%
Non volatile matter	Max. 0.002%

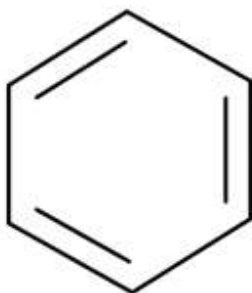
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1114 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H319-H340-H350-H372 Precaution Statement: P201-P210-P301 + P310-P305 + P351 + P338-P308 + P313-P331

BENZENE 99.5% AR

Benzol; Phenyl hydride

Product Code.	00371	Grade	
Purity	99.5%	CAS No.	71-43-2
Molecular Formula	C6H6	Molecular Weight	78.11
H.S.Code	2902.20000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Aromatic odor
Melting point/ Freezing point [°C]	5.5 °C	Auto-ignition temperature [°C]	562°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-11 °C	Boiling point [°C]	80.0 - 80.2 °C	Vapour pressure [20°C]	99.5 hPa at 20 °C
Vapour density	2.8	Density [g/cm3]	0.8765	Relative density, gas (air=1)	0.88
Solubility in water [% weight]	0.180 g/100 ml @ 25°C	Viscosity at 40°C [mm2/s]	0.647mPa @ 20 deg C	Explosion limits - upper [%]	8.00%
Explosion limits -lower [%]	1.30%				

Packaging



Specification

Appearance	Clear colorless liquid
Assay	Min 99.5%
Identity (IR)	Passes test
Colour scale	Max 10 APHA
Weight/ mL at 20°C	0.877-0.878 g
Refractive index (20°C; 589 nm)	1.499 -1.502
Alkalinity	Max 0.0001 meq/g
Copper (Cu)	Max 0.00002%
Iron (Fe)	Max 0.00005%
Lead (Pb)	Max 0.00002%
Substance darkened by H2SO4	Passes test
Sulphur compounds (S)	Max 0.005%
Thiophene (C4H4S)	Passes test (about 1 ppm)
Freezing point	Min 5.2°C
Water (H2O)	Max 0.05%
Acidity	Max 0.0001 meq/g
Residue on evaporation	Max 0.001%

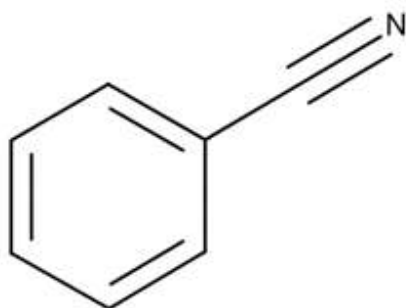
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1114 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H319-H340-H350-H372 Precaution Statement: P201-P210-P301 + P310-P305 + P351 + P338-P308 + P313-P331

BENZONITRILE 99% FOR SYNTHESIS

Phenyl cyanide

Product Code.	00383	Grade	For Synthesis
Purity	99.0%	CAS No.	100-47-0
Molecular Formula	C7H5N	Molecular Weight	103.12
H.S.Code	2926.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Almond odor
Melting point/ Freezing point [°C]	-13 °C	Auto-ignition temperature [°C]	550 °C	Flash point [°C]	70 °C
Boiling point [°C]	191 °C	Evaporation rate	0.1	Vapour pressure [20°C]	1 hPa at 20 °C
Vapour density	3.6	Density [g/cm3]	1.01	Solubility in water [% weight]	Slight (0.1-1%)

Packaging



Specification

Appearance	Clear colorless liquid
Assay	Min 99.0%

Density (d20°C/4°C)	1.004 - 1.005 g/ml
Refractive index (20°C; 589 nm)	1.5275 - 1.5295

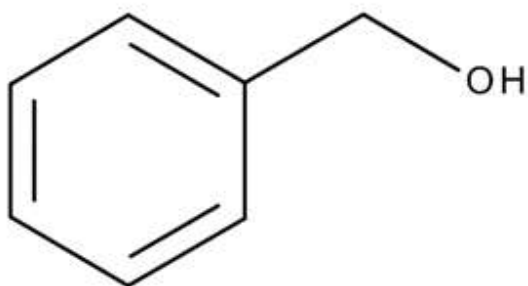
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning UN No.: 2224 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H302-H312 Precaution Statement: P280

BENZYL ALCOHOL 97% EXTRAPURE

Confirms to IP Benzenemethanol

Product Code.	00393	Grade	
Purity	97%	CAS No.	100-51-6
Molecular Formula	C ₇ H ₈ O	Molecular Weight	108.14
H.S.Code	2906.21000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Faint aromatic odor
Melting point/ Freezing point [°C]	-16 - -13 °C	Auto-ignition temperature [°C]	436°C	Flash point [°C]	96 °C
Boiling point [°C]	203 - 205 °C	Initial boiling point [°C]	203°C	Final boiling point [°C]	205 °C
Evaporation rate	1.8	Vapour pressure [20°C]	0.125 hPa at 20 °C	Vapour density	3.73
Density [g/cm ³]	1.045	Solubility in water [% weight]	33 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	1.1

Packaging



Specification

Appearance	Clear colorless liquid
Assay	Min 97.0%
Identification	Passes test
Appearance of solution	Passes test
Weight/ mL at 20°C	1.04 - 1.05 g/ml
Peroxide number	Max 5.0
Refractive index (20°C; 589 nm)	1.536 to 1.542
Distillation range	None distils below 200° and not less than 94 per cent distils between 202° and 208°
Benzaldehyde (C ₆ H ₅ CHO)	Max 0.2%
Acid value (mg KOH/gm)	Max 0.5
Related Substances	Passes test
Loss on drying (over P ₂ O ₅)	Max 0.05%

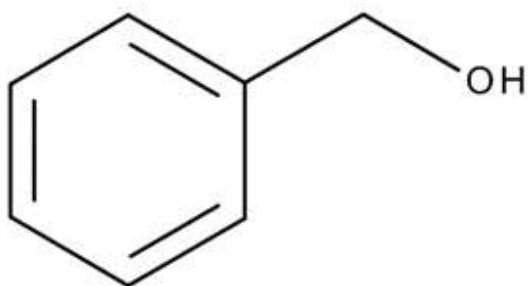
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H332

BENZYL ALCOHOL 99% AR

Confirms to USP Benzenemethanol

Product Code.	00394	Grade	
Purity	99%	CAS No.	100-51-6
Molecular Formula	C7H8O	Molecular Weight	108.14
H.S.Code	2906.21000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Faint aromatic odor
Melting point/ Freezing point [°C]	-16 - -13 °C	Auto-ignition temperature [°C]	436°C	Flash point [°C]	96 °C
Boiling point [°C]	203 - 205 °C	Initial boiling point [°C]	203°C	Final boiling point [°C]	205 °C
Evaporation rate	1.8	Vapour pressure [20°C]	0.125 hPa at 20 °C	Vapour density	3.73
Density [g/cm3]	1.045	Solubility in water [% weight]	33 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	1.1

Packaging



Specification

Appearance	Clear colorless liquid
Assay	Min 99%
Clarity of solution	Passes test
Colour of solution	Passes test (Max 20 APHA)
Weight/ mL at 20°C	1.043 - 1.048 g
Refractive index (20°C; 589 nm)	1.538 - 1.541
Non volatile matter	Max 0.05%
Acidity	Passes USP test
Heavy metal (as Pb)	Max 0.0001%
Iron (Fe)	Max 0.0001%
Acetophenone	Max 0.02%
Benzaldehyde (C6H5CHO)	Max 0.05%
Peroxide number	Max 5.0
Residue on ignition (at 600°C for 15 mins.)	Max 0.005%
Water (H2O)	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302-H332

CARBON DISULPHIDE 99.9% AR

Carbon bisulfide; Carbon silfide; Dithiocarbonic anhydride

Product Code.	00684	Grade	AR
Purity	99.9%	CAS No.	75-15-0
Molecular Formula	CS ₂	Molecular Weight	76.13
H.S.Code	2813.10000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Stench
Melting point/ Freezing point [°C]	-100°C	Auto-ignition temperature [°C]	100 °C	Flammability (solid, gas)	Extremely flammable
Flash point [°C]	-30°C	Boiling point [°C]	46 °C	Evaporation rate	22.6
Vapour pressure mm/Hg	300 @ 20C (68F)	Vapour density	2.6	Density [g/cm3]	1.26
Relative density, gas (air=1)	2.63	Solubility in water [% weight]	0.2 gm/100 ml water	Partition coefficient Log Pow octanol / water at 20°C	2.16
Explosion limits - upper [%]	50%	Explosion limits -lower [%]	1.30%		

Packaging



Specification

Appearance	Clear colorless liquid with characteristic odor
Purity (by GC)	Min 99.9%
Density (d20°C/4°C)	1.260 - 1.263 g/ml
Non volatile matter	Max 0.001%
Water (by KF)	Max 0.01%
H2S + foreign org. S-compounds	Max 0.0001%
Sulphate (SO4)	Max 0.00025%
Sulphite (as SO2)	Max 0.001%
Benzene (C6H6)	Max 0.001%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1131 IMCO Class No.: 3,6.1 Packing Group: I Hazardous Statement: H225-H315-H319-H361fd-H372 Precaution Statement: P210-P281-P305 + P351 + P338-P314

CARBON DISULPHIDE 99% EXTRAPURE

Carbon bisulfide; Carbon silfide; Dithiocarbonic anhydride

Product Code.	00683	Grade	Extrapure
Purity	99%	CAS No.	75-15-0
Molecular Formula	CS2	Molecular Weight	76.13
H.S.Code	2813.10000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Stench
Melting point/ Freezing point [°C]	-100°C	Auto-ignition temperature [°C]	100 °C	Flammability (solid, gas)	Extremely flammable
Flash point [°C]	-30°C	Boiling point [°C]	46 °C	Evaporation rate	22.6
Vapour pressure mm/Hg	300 @ 20C (68F)	Vapour density	2.6	Density [g/cm3]	1.26
Relative density, gas (air=1)	2.63	Solubility in water [% weight]	0.2 gm/100 ml water	Partition coefficient Log Pow octanol / water at 20°C	2.16
Explosion limits - upper [%]	50%	Explosion limits -lower [%]	1.30%		

Packaging



Specification

Appearance	Clear colorless to yellow liquid with characteristic odour
Purity (by GC)	Min. 99.0%
Density (d20°C/4°C)	1.260 - 1.264 g/ml

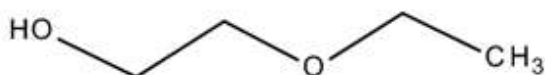
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1131 IMCO Class No.: 3,6.1 Packing Group: I Hazardous Statement: H225-H315-H319-H361fd-H372 Precaution Statement: P210-P281-P305 + P351 + P338-P314

CELLOSOLVE (FOR SYNTHESIS)

Ethyl Cellosolve ; 2-ETHOXYETHANO ; Ethylene Glycol Mono Ethyl Ether

Product Code.	00709	Grade	
Purity	99%	CAS No.	110-80-5
Molecular Formula	C2H5O.CH2.CH2OH	Molecular Weight	90.12
H.S.Code	2909.60000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Mild pleasant odor
Melting point/ Freezing point [°C]	-90 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	42 °C
Boiling point [°C]	135 °C	Evaporation rate	0.32	Vapour pressure [20°C]	3.8 @ 2°C
Vapour density	3.1	Density [g/cm3]	0.93	Solubility in water [% weight]	Complete
Explosion limits - upper [%]	14%	Explosion limits -lower [%]	1.80%		

Packaging

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Specification

Appearance	A clear Colourless liquid
Assay	Min 99%
Water (H2O)	Max 0.2%
Peroxide (as H2O2)	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 1171

IMCO Class No.: 3

Packing Group: III

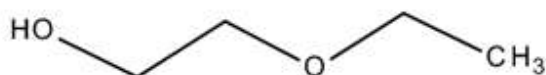
Hazardous Statement: H226-H302-H312-H332-H360FD

Precaution Statement: P201-P280-P308 + P313

CELLOSOLVE 99.5% AR

(2-Ethoxy Ethanol) (Ethyl Cellosolve); Ethyl glycol; Ethylene glycol monoethyl ether

Product Code.	00710	Grade	
Purity	99.5%	CAS No.	110-80-5
Molecular Formula	C2H5O.CH2.CH2OH	Molecular Weight	90.12
H.S.Code	2909.60000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Mild pleasant odor
Melting point/ Freezing point [°C]	-90 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	42 °C
Boiling point [°C]	135 °C	Evaporation rate	0.32	Vapour pressure [20°C]	3.8 @ 2°C
Vapour density	3.1	Density [g/cm3]	0.93	Solubility in water [% weight]	Complete
Explosion limits - upper [%]	14%	Explosion limits -lower [%]	1.80%		

Packaging

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Specification

Appearance	A clear Colourless liquid
Assay	Min 99.5%
Weight/ mL at 20°C	0.9295 g
Colour scale	Max 10 Hazen

Water (H ₂ O)	Max 0.1%
Acidity (as CH ₃ COOH)	Max 0.005%
Non volatile matter	Max 0.002%
Peroxide (as H ₂ O ₂)	Max 0.005%
Aluminium (Al)	Max 0.00001%
Barium (Ba)	Max 0.000002%
Cadmium (Cd)	Max 0.000005%
Calcium (Ca)	Max 0.00005%
Chromium (Cr)	Max 0.000002%
Cobalt (Co)	Max 0.000002%
Copper (Cu)	Max 0.000002%
Iron (Fe)	Max 0.00002%
Lead (Pb)	Max 0.00001%
Magnesium (Mg)	Max 0.00001%
Manganese (Mn)	Max 0.000002%
Nickel (Ni)	Max 0.000005%
Potassium (K)	Max 0.0001%
Sodium (Na)	Max 0.0001%
Strontium (Sr)	Max 0.000002%
Zinc (Zn)	Max 0.00002%

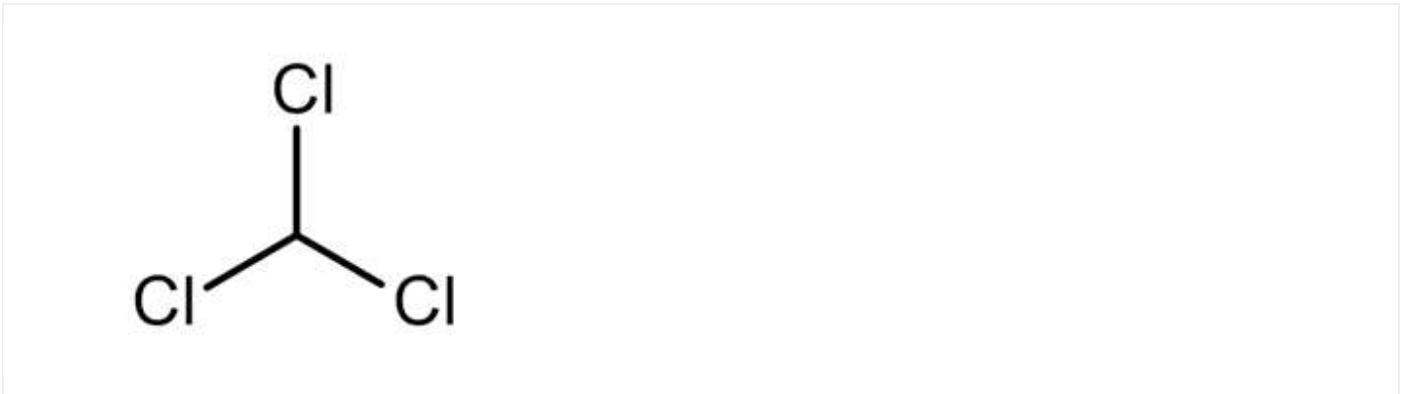
Safety Information and Hazard Symbols

	
Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1171 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226-H302-H312-H332-H360FD Precaution Statement: P201-P280-P308 + P313	

CHLOROFORM 99.8% AR

(Stabilized with ethanol) Trichloromethane

Product Code.	00770	Grade	AR
Purity	99.8%	CAS No.	67-66-3
Molecular Formula	CHCl3	Molecular Weight	119.38
H.S.Code	2903.13000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Sweet pleasant
Melting point/ Freezing point [°C]	-63 °C	Decomposition point [°C]	290°C	Boiling point [°C]	60.5 - 61.5 °C
Initial boiling point [°C]	60.5 °C	Final boiling point [°C]	61.5 °C	Evaporation rate	11.6
Vapour pressure [20°C]	213.3 hPa at 20°C	Vapour density	4.12	Density [g/cm3]	1.492
Solubility in water [% weight]	Slightly soluble	Partition coefficient Log Pow octanol / water at 20°C	1.97	Viscosity at 40°C [mm2/s]	0.58 cps@ 20 °C

Packaging

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Specification

Appearance	Clear colorless liquid
Purity (by GC)	Min 99.8% (excluding stabilizer)
Weight/ mL at 20°C	1.474 - 1.479 g/ml

Refractive index (20°C; 589 nm)	1.444 - 1.445
Water (H ₂ O)	Max 0.05%
Acidity (as HCl)	Max 0.0005 meq/gm
Non volatile matter	Max 0.0005%
Ionised chloride (Cl)	Max 0.00002%
Free chlorine (Cl)	Max 0.0005%
Metallic impurities	No reaction
Aldehydes and ketones (as CH ₃ CHO)	Max 0.005%
Organic impurities	Passes test
Ethanol as Stabilizer	0.5-1.0%

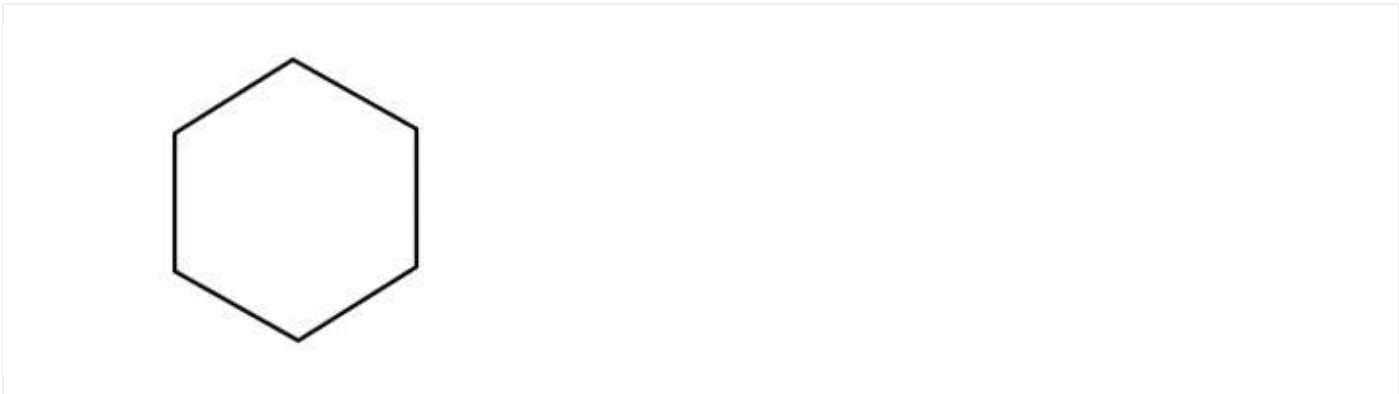
Safety Information and Hazard Symbols

 
Symbol: GHS06, GHS08 Signal Word: Danger UN No.: 1888 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H302-H315-H319-H331-H336-H351-H361d-H372 Precaution Statement: P261-P281-P305 + P351 + P338-P311 Risk Statement: 20/22-36/38-40-48/20-63 Safety Statement: 36/37

CYCLOHEXANE 99.5% AR

Hexahydrobenzene;Hexamethylene; Hexanaphthalene.

Product Code.	00908	Grade	AR
Purity	99.5%	CAS No.	110-82-7
Molecular Formula	C6H12	Molecular Weight	84.16
H.S.Code	2902.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Characteristic ether like odour
Melting point/ Freezing point [°C]	4 - 7 °C	Auto-ignition temperature [°C]	260 °C	Flammability (solid, gas)	Extremely flammable
Flash point [°C]	(-18)°C	Boiling point [°C]	80.7 °C	Evaporation rate	2.6
Vapour pressure [20°C]	102.7 hPa at 20°C	Density [g/cm3]	0.779	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	3.44	Explosion limits - upper [%]	9%	Explosion limits -lower [%]	1%

Packaging

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Specification

Appearance	A clear colorless liquid
Colour scale	Max 10 APHA
Purity (by GC)	Min 99.5%

Weight/ mL at 20°C	0.777 - 0.779 g/ml
Refractive index (20°C; 589 nm)	1.426 - 1.427
Water (H2O)	Max 0.02%
Non volatile matter	Max 0.001%
Benzene (C6H6)	Max 0.01%
Cyclohexene (C6H10)	Max 0.01%
Substance darkened by H2SO4	Passes test

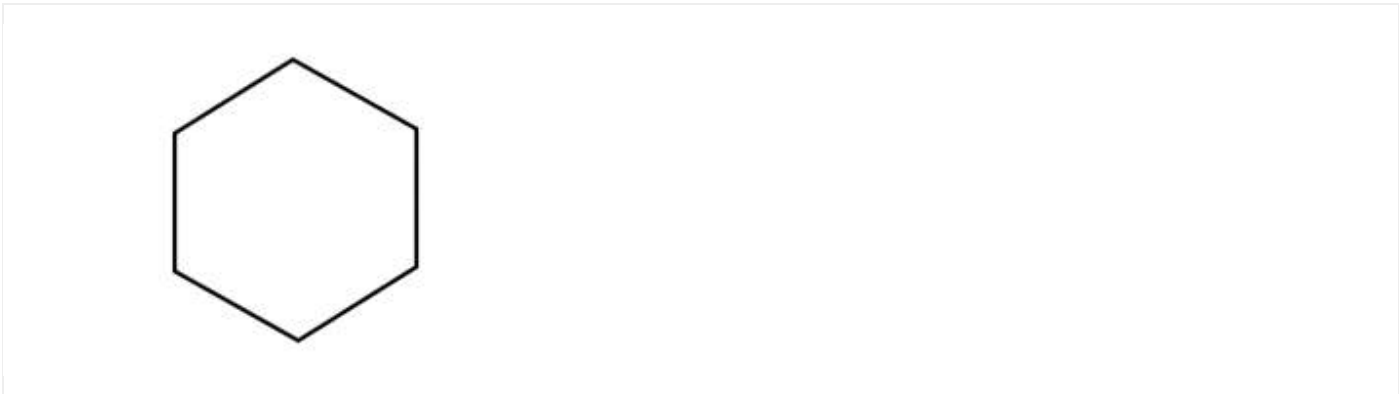
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1145 IMCO Class No.: 3.1 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H410 Precaution Statement: P210-P261-P273-P301 + P310-P331-P501

CYCLOHEXANE 99% EXTRAPURE

Hexahydrobenzene;Hexamethylene; Hexanaphthalene.

Product Code.	00907	Grade	Extrapure
Purity	99%	CAS No.	110-82-7
Molecular Formula	C6H12	Molecular Weight	84.16
H.S.Code	2902.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Characteristic ether like odour
Melting point/ Freezing point [°C]	4 - 7 °C	Auto-ignition temperature [°C]	260 °C	Flammability (solid, gas)	Extremely flammable
Flash point [°C]	(-18)°C	Boiling point [°C]	80.7 °C	Evaporation rate	2.6
Vapour pressure [20°C]	102.7 hPa at 20°C	Density [g/cm3]	0.779	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	3.44	Explosion limits - upper [%]	9%	Explosion limits -lower [%]	1%

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.0%
Weight/ mL at 20°C	0.776 - 0.780 g/ml

Non volatile matter

Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1145

IMCO Class No.: 3.1

Packing Group: II

Hazardous Statement: H225-H304-H315-H336-H410

Precaution Statement: P210-P261-P273-P301 + P310-P331-P501

CYCLOHEXANONE 99.5% AR

Stabilized with BHT 1,2,3,4-Tetrahydrobenzene

Product Code.	00914	Grade	
Purity	98%	CAS No.	110-83-8
Molecular Formula	C6H10	Molecular Weight	82.15
H.S.Code	2902.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Sweet odour
Melting point/ Freezing point [°C]	-103.7°C	Auto-ignition temperature [°C]	244°C	Flammability (solid, gas)	Flammable
Flash point [°C]	< -7°C	Boiling point [°C]	82.8°C	Vapour pressure mm/Hg	67 mm of Hg (@ 20°C)
Vapour density	2.8	Density [g/cm3]	0.8098	Solubility in water [% weight]	Insoluble in water
Explosion limits - upper [%]	5%	Explosion limits -lower [%]	1.20%		

Packaging



Specification

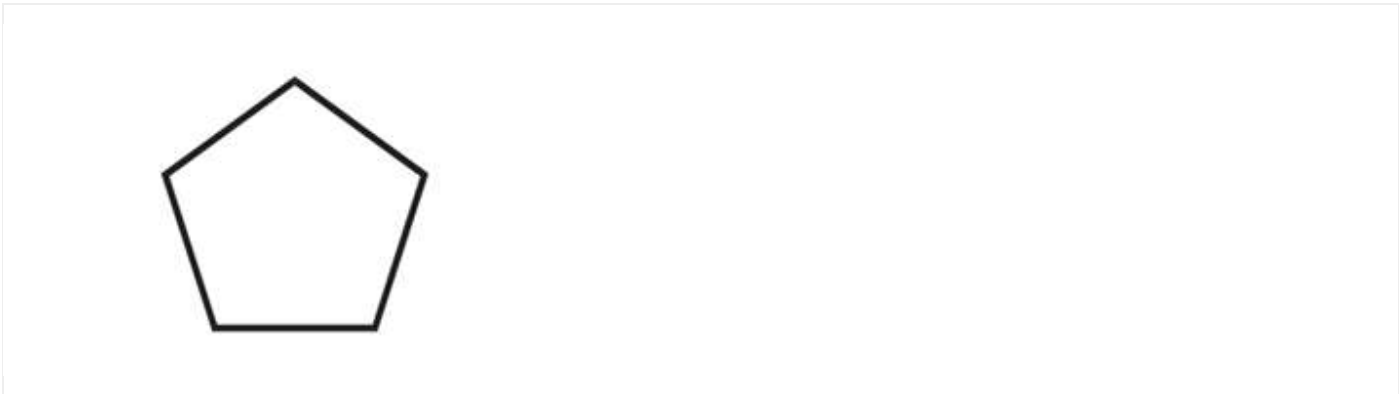
Appearance	A clear colorless liquid
Assay (GC area %)	Min 98%
Density (d20°C/4°C)	0.810 - 0.811
Identity	Conforms

Safety Information and Hazard Symbols


Symbol: GHS02, GHS06 Signal Word: Danger UN No.: 2256 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H302-H311 Precaution Statement: P210-P280-P312

CYCLOPENTANE 95% FOR SYNTHESIS

Product Code.	00917	Grade	
Purity	95%	CAS No.	287-92-3
Molecular Formula	C5H10	Molecular Weight	70.13
H.S.Code	2902.19000	Shelf Life	60 Months



Physical Properties

Packaging

Specification

Appearance	Clear colorless liquid
Assay (GC area %)	Min 95.0%
Density (d20°C/4°C)	0.740-0.745

Safety Information and Hazard Symbols

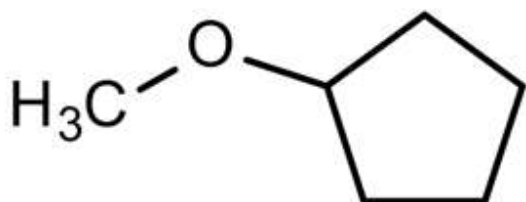


Symbol: GHS02
Signal Word: Danger
UN No.: 1146
IMCO Class No.: 3
Packing Group: II
Hazardous Statement: H225-H412
Precaution Statement: P210-P273

CYCLOPENTYL METHYL ETHER 99.9% AR

CPME

Product Code.	00920	Grade	AR
Purity	99.9%	CAS No.	5614-37-9
Molecular Formula	C6H12O	Molecular Weight	100.16
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]	-140 °C
Auto-ignition temperature [°C]	180 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	-1 °C
Boiling point [°C]	106 °C	Vapour pressure mm/Hg	59.9 hPa at 25 °C	Density [g/cm3]	0.86
Relative density, gas (air=1)	3.46	Partition coefficient Log Pow octanol / water at 20°C	1.59	Explosion limits - upper [%]	9.90%
Explosion limits -lower [%]	1.10%				

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.9%
Density (at 25°C)	0.86 g/ml
Peroxide (as H2O2)	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 3271

IMCO Class No.: 3

Packing Group: II

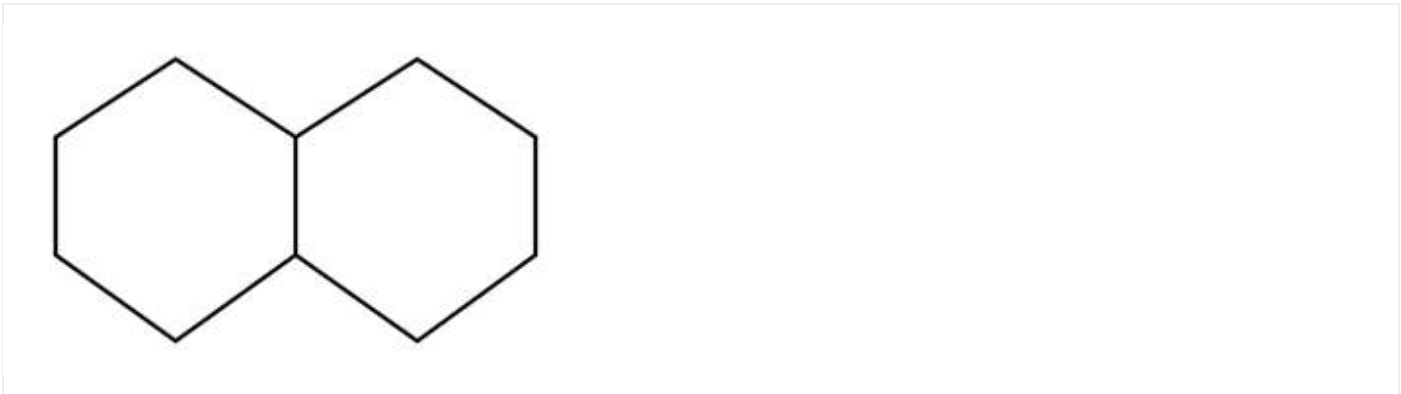
Hazardous Statement: H225-H302-H315-H319

Precaution Statement: P210-P305 + P351 + P338

DECALIN 98% FOR SYNTHESIS

Decahydronaphthalene

Product Code.	00931	Grade	
Purity	98%	CAS No.	91-17-8
Molecular Formula	C10H18	Molecular Weight	138.55
H.S.Code	2902.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Slight odor resembling methanol
Melting point/ Freezing point [°C]	-43 °C	Auto-ignition temperature [°C]	250 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	57.2 °C	Boiling point [°C]	189 - 191 °C	Initial boiling point [°C]	189 °C
Final boiling point [°C]	191 °C	Vapour pressure mm/Hg	2.3	Vapour density	4.76
Density [g/cm3]	0.896	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	4.79
Explosion limits - upper [%]	4.90%	Explosion limits -lower [%]	0.70%		

Packaging

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Specification

Appearance	Clear colourless liquid
Assay	Min 98%
Density (d20°C/4°C)	0.879 - 0.883

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS06, GHS09

Signal Word: Danger

UN No.: 1147

IMCO Class No.: 3

Packing Group: III

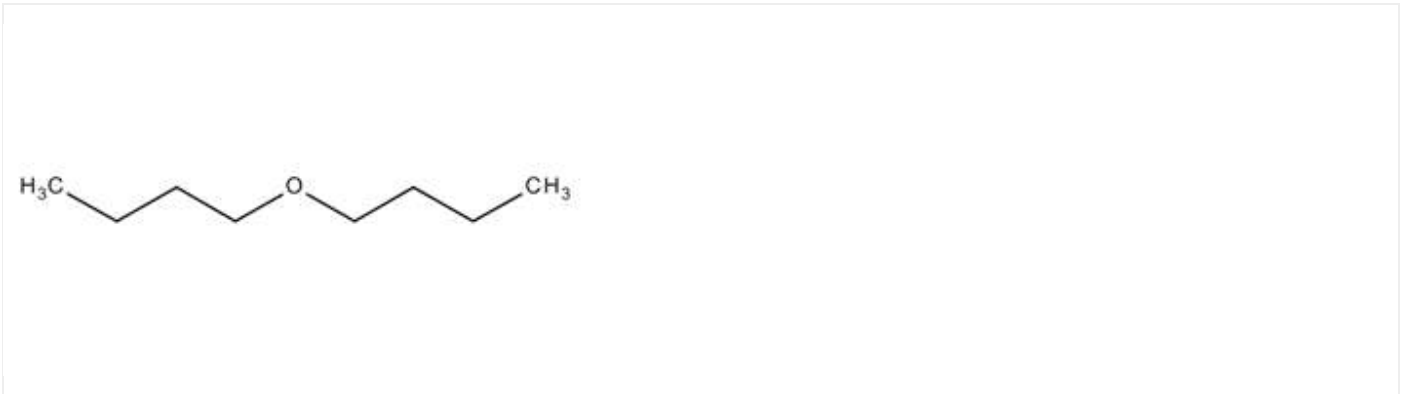
Hazardous Statement: H226-H314-H331-H411

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

DIBUTYL ETHER 98% FOR SYNTHESIS

Butyl ether

Product Code.	00958	Grade	
Purity	98%	CAS No.	142-96-1
Molecular Formula	C8H18O	Molecular Weight	130.23
H.S.Code	2909.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	pH value	5.2	Melting point/ Freezing point [°C]	-98 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	25 °C	Boiling point [°C]	141°C
Vapour pressure [20°C]	4.6 hPa at 20 °C	Vapour density	4.5	Density [g/cm3]	0.769
Relative density, gas (air=1)	0.764 g/mL at 25 °C	Solubility in water [% weight]	10 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	5
Explosion limits - upper [%]	8.50%	Explosion limits -lower [%]	0.90%		

Packaging

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Specification

Appearance	A clear colourless liquid
Assay	Min 98%
Density (d20°C/4°C)	0.767 - 0.769
Peroxide (as H2O2)	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Warning

UN No.: 1149

IMCO Class No.: 3

Packing Group: III

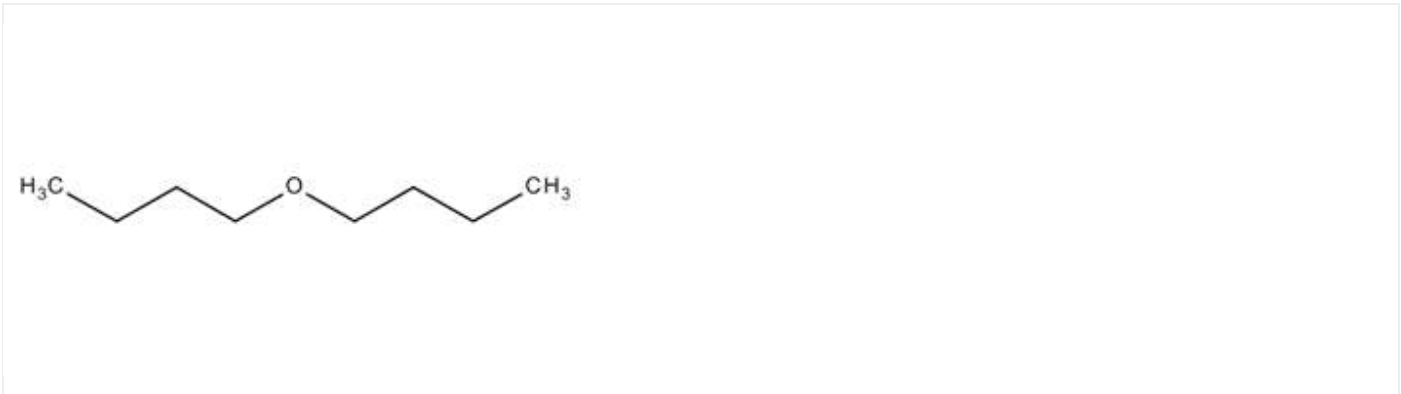
Hazardous Statement: H226-H315-H319-H335-H412

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

DIBUTYL ETHER 99% AR

Butyl ether

Product Code.	00959	Grade	
Purity	99%	CAS No.	142-96-1
Molecular Formula	C8H18O	Molecular Weight	130.23
H.S.Code	2909.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	pH value	5.2	Melting point/ Freezing point [°C]	-98 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	25 °C	Boiling point [°C]	141°C
Vapour pressure [20°C]	4.6 hPa at 20 °C	Vapour density	4.5	Density [g/cm3]	0.769
Relative density, gas (air=1)	0.764 g/mL at 25 °C	Solubility in water [% weight]	10 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	5
Explosion limits - upper [%]	8.50%	Explosion limits -lower [%]	0.90%		

Packaging

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Specification

Appearance	A clear colourless liquid
Assay	Min 99%
Density (d20°C/4°C)	0.767 - 0.769
Peroxide (as H2O2)	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Warning

UN No.: 1149

IMCO Class No.: 3

Packing Group: III

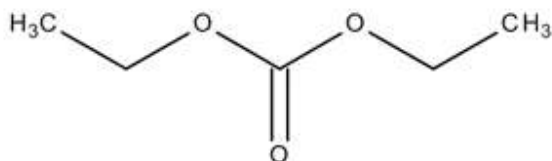
Hazardous Statement: H226-H315-H319-H335-H412

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

DIETHYL CARBONATE 99% FOR SYNTHESIS

Methyl carbonate; : Carbonic acid dimethyl ester

Product Code.	00987	Grade	For Synthesis
Purity	99%	CAS No.	105-58-8
Molecular Formula	C ₅ H ₁₀ O ₃	Molecular Weight	118.13
H.S.Code	2920.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Etheral odour
Melting point/ Freezing point [°C]	-43 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	25°C
Boiling point [°C]	126°C	Vapour pressure mm/Hg	1.4 kPa (@ 25°C)	Vapour density	4.07
Density [g/cm ³]	0.9752	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance	Clear colorless liquid
Purity (by GC)	Min 99%
Density (d _{20°C/4°C})	0.974 - 0.975 g/ml

Safety Information and Hazard Symbols

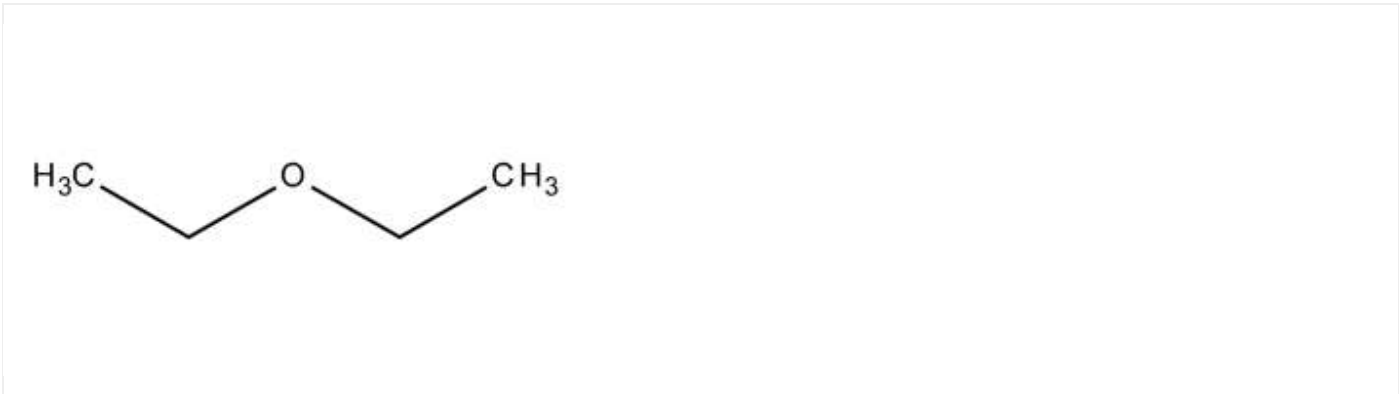


Symbol: GHS02, GHS07
Signal Word: Warning
UN No.: 2366
IMCO Class No.: 3
Packing Group: III
Hazardous Statement: H226-H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

DIETHYL ETHER 98% FOR SYNTHESIS

(Stabilized) Ethoxyethane

Product Code.	00999	Grade	For Synthesis
Purity	98%	CAS No.	60-29-7
Molecular Formula	(C ₂ H ₅) ₂ O	Molecular Weight	74.12
H.S.Code	2909.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Sweet Ethereal odour
Melting point/ Freezing point [°C]	-116 °C	Auto-ignition temperature [°C]	160°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-40 °C	Boiling point [°C]	34.6 °C	Evaporation rate	37.5
Vapour pressure [20°C]	563 hPa at 20 °C	Vapour density	2.6	Density [g/cm3]	0.71
Solubility in water [% weight]	65 g/l at 20 °C	Explosion limits - upper [%]	48%	Explosion limits -lower [%]	1.80%

Packaging

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Specification

Appearance	Clear colorless liquid, with characteristic odor
Purity (by GC)	Min 98.0%
Weight/ mL at 20°C	0.713 - 0.717 g/ml
Non volatile matter	Max 0.002%

Peroxide (as H ₂ O ₂)	Max 0.001%
Water (H ₂ O)	Max 0.5%

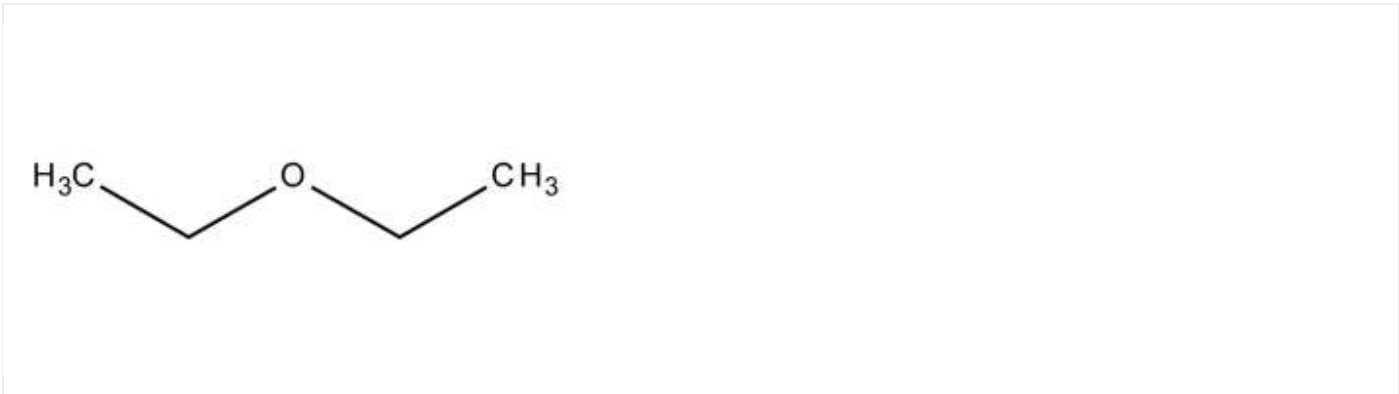
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1155 IMCO Class No.: 3 Packing Group: I Hazardous Statement: H224-H302-H336 Precaution Statement: P210-P261

DIETHYL ETHER 99% AR

(Stabilized) Ethoxyethane

Product Code.	01000	Grade	AR
Purity	99%	CAS No.	60-29-7
Molecular Formula	(C ₂ H ₅) ₂ O	Molecular Weight	74.12
H.S.Code	2909.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Sweet Ethereal odour
Melting point/ Freezing point [°C]	-116 °C	Auto-ignition temperature [°C]	160°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-40 °C	Boiling point [°C]	34.6 °C	Evaporation rate	37.5
Vapour pressure [20°C]	563 hPa at 20 °C	Vapour density	2.6	Density [g/cm3]	0.71
Solubility in water [% weight]	65 g/l at 20 °C	Explosion limits - upper [%]	48%	Explosion limits -lower [%]	1.80%

Packaging

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Specification

Appearance	Clear colorless liquid, with characteristic odor
Purity (by GC)	Min 99%
Colour scale	Max 10 APHA
Weight/ mL at 20°C	0.713 - 0.715 g/ml

Refractive index (20°C; 589 nm)	1.351 - 1.353
Insoluble matter in water	Nil
Water (H2O)	Max 0.2%
Acidity (as CH3COOH)	Max 0.0002% meq/gm
Non volatile matter	Max 0.001%
Aldehydes and ketones (as CH3CHO)	Max 0.002%
Ethanol (C2H5OH)	Max 0.05%
Peroxide (as H2O2)	Max 0.0001%
Odorous Impurities	Passes test
Substance darkened by H2SO4	Passes test

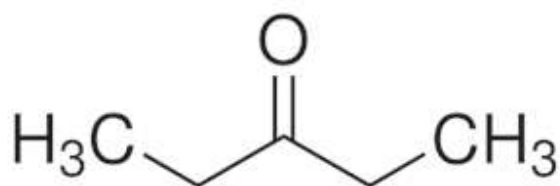
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1155 IMCO Class No.: 3 Packing Group: I Hazardous Statement: H224-H302-H336 Precaution Statement: P210-P261

DIETHYL KETONE 99% FOR SYNTHESIS

diethyl ketone

Product Code.	01947	Grade	For Synthesis
Purity	99%	CAS No.	96-22-0
Molecular Formula	C ₅ H ₁₀ O	Molecular Weight	86.13
H.S.Code	2914.19900	Shelf Life	60 Months



Specification

Appearance	Clear colorless liquid
Purity (by GC)	Min 99.0%
Density (at 20°C)	0.813-0.815 g/ml
Refractive index (20°C; 589 nm)	~1.3923
Colour scale	Max 100 APHA

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1156

IMCO Class No.: 3

Packing Group: II

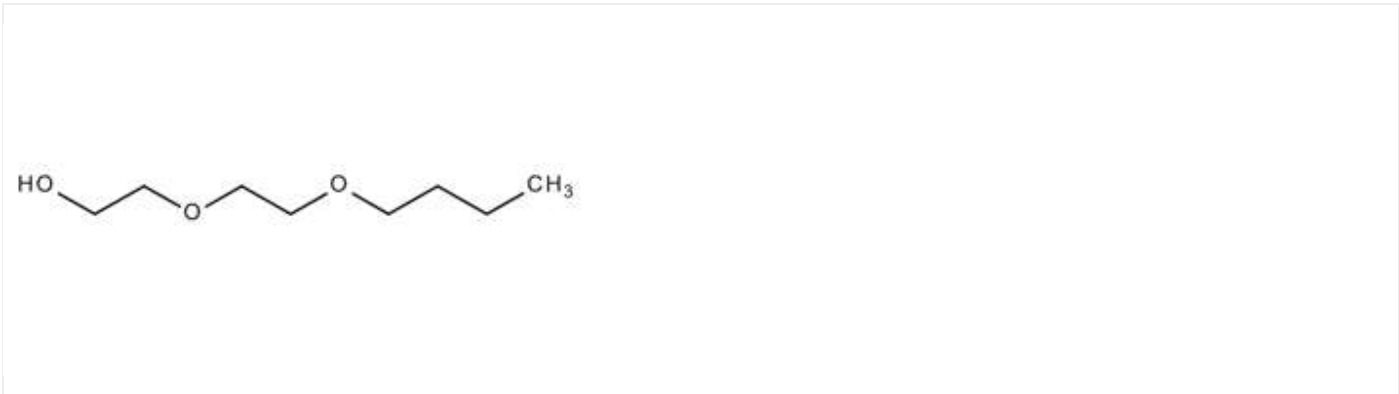
Hazardous Statement: H225-H335-H336

Precaution Statement: P210-P261

DIETHYLENE GLYCOL MONOBUTYL ETHER 98% FOR SYNTHESIS

Butyl digol, Butyl carbitol

Product Code.	00991	Grade	
Purity	98%	CAS No.	112-34-5
Molecular Formula	C8H18O3	Molecular Weight	162.23
H.S.Code	2909.43000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Faint butyl odor
pH value	7	Melting point/ Freezing point [°C]	-68 °C	Auto-ignition temperature [°C]	204 °C
Flash point [°C]	99 °C	Boiling point [°C]	231 °C	Evaporation rate	< 0.01
Vapour pressure mm/Hg	40 mm Hg at 130 °C	Vapour density	5.6	Density [g/cm3]	0.967 g/cm3 at 25 °C
Solubility in water [% weight]	completely miscible	Partition coefficient Log Pow octanol / water at 20°C	0.56	Explosion limits - upper [%]	6.20%
Explosion limits -lower [%]	0.90%				

Packaging

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Specification

Appearance	Colourless liquid
Assay	Min 98%

Water (H ₂ O)	Max 0.5%
Peroxide (as H ₂ O ₂)	Max 0.05%

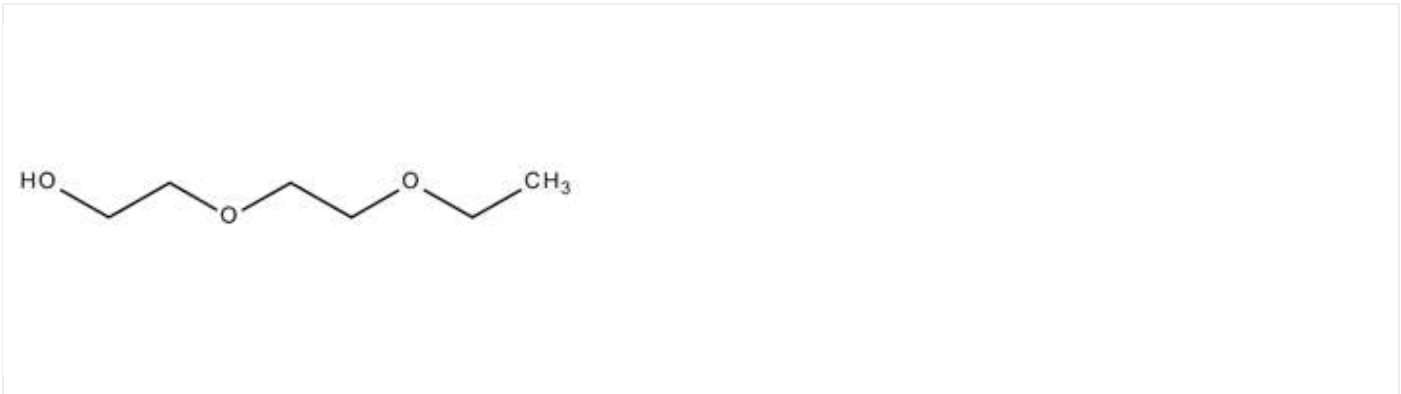
Safety Information and Hazard Symbols


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

DIETHYLENE GLYCOL MONOETHYL ETHER 98% FOR SYNTHESIS

Ethyl Carbitol, Ethyl Digol

Product Code.	00992	Grade	
Purity	98%	CAS No.	111-90-0
Molecular Formula	C6H14O3	Molecular Weight	134.18
H.S.Code	2909.49000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Faint pleasant odor
Melting point/ Freezing point [°C]	-76°C	Auto-ignition temperature [°C]	204°C	Flash point [°C]	96 °C
Boiling point [°C]	202 °C	Evaporation rate	0.02	Vapour pressure [20°C]	0.16 hPa at 20 °C
Vapour density	4.62	Density [g/cm3]	0.999	Solubility in water [% weight]	Soluble in water
Explosion limits - upper [%]	23.50%	Explosion limits -lower [%]	1.20%		

Packaging

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Specification

Appearance	Colourless liquid
Assay	Min 98%
Density (d20°C/4°C)	0.987 - 0.990

Water (H2O)	Max 0.2%
Peroxide (as H2O2)	Max 0.05%
Refractive index (20°C; 589 nm)	1.427 - 1.430

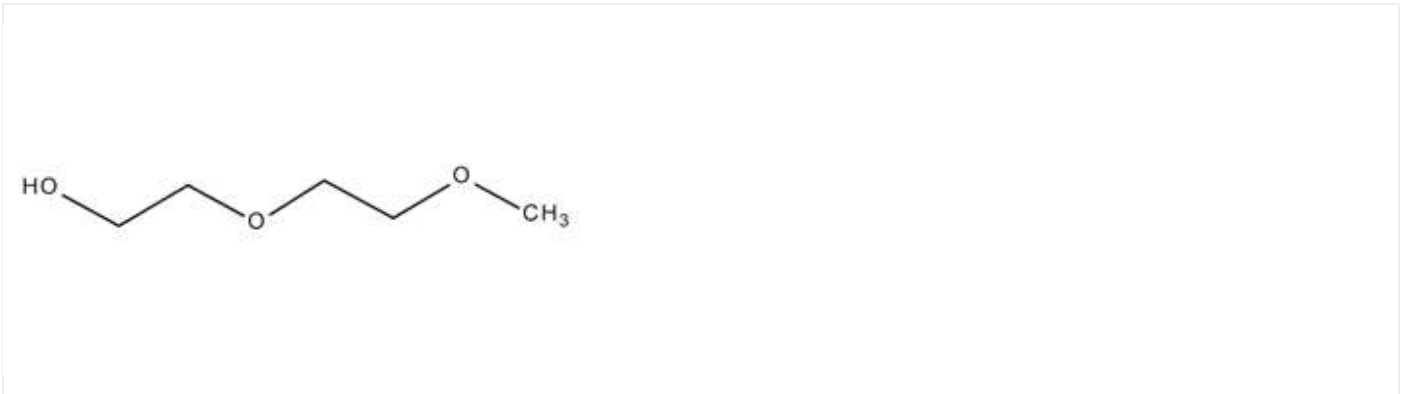
Safety Information and Hazard Symbols

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DIETHYLENE GLYCOL MONOMETHYL ETHER 98% FOR SYNTHESIS

2-(2-Methoxyethoxy) ethanol, Methyl diglycol ;Methyl Carbitol

Product Code.	00993	Grade	For Synthesis
Purity	98%	CAS No.	111-77-3
Molecular Formula	C5H12O3	Molecular Weight	120.15
H.S.Code	2909.49000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Faint pleasant odor
Melting point/ Freezing point [°C]	-70 °C	Auto-ignition temperature [°C]	215°C	Flash point [°C]	87 °C
Boiling point [°C]	190 - 194 °C	Initial boiling point [°C]	190°C	Final boiling point [°C]	194 °C
Vapour pressure [20°C]	0.3 hPa at 20 °C	Vapour density	4.15	Density [g/cm3]	1.02 g/mL at 20 °C
Solubility in water [% weight]	Miscible in water	Viscosity at 40°C [mm2/s]	3.9 mPa @ 20°C	Explosion limits - upper [%]	22.70%
Explosion limits -lower [%]	1.38%				

Packaging

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Specification

Appearance	Colorless liquid
Assay	Min 98.0%

Density (d20°C/4°C)	1.018 - 1.022 g/ml
Water (H2O)	Max 0.1%
Peroxide (as H2O2)	Max 0.05%
Refractive index (20°C; 589 nm)	1.4250 - 1.4270

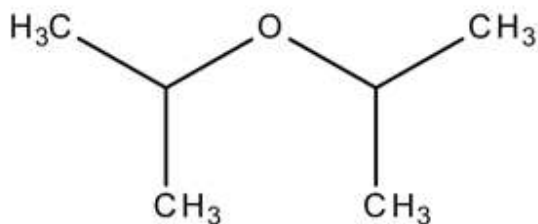
Safety Information and Hazard Symbols


Symbol: GHS08 Signal Word: Warning Hazardous Statement: H361d Precaution Statement: P281

DI-ISOPROPYL ETHER 98% FOR SYNTHESIS

Iso-propyl ether

Product Code.	01016	Grade	
Purity	98%	CAS No.	108-20-3
Molecular Formula	C6H14O	Molecular Weight	102.18
H.S.Code	2909.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Etheral odour
Melting point/ Freezing point [°C]	-85 °C	Auto-ignition temperature [°C]	443°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-29 °C	Boiling point [°C]	65 - 70 °C	Initial boiling point [°C]	65°C
Final boiling point [°C]	70 °C	Evaporation rate	8	Vapour pressure mm/Hg	119 @ 20C
Vapour density	3.5	Density [g/cm3]	0.78	Relative density, liquid (water=1)	0.73
Solubility in water [% weight]	0.2g/100g water @ 20C	Explosion limits - upper [%]	21%	Explosion limits -lower [%]	1%

Packaging

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Specification

Appearance	Clear colourless liquid with characteristic odor
Assay (GC area %)	Min 98%
Weight/ mL at 20°C	About 0.725 g

Refractive index (20°C; 589 nm)

1.367 - 1.369

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1159

IMCO Class No.: 3

Packing Group: II

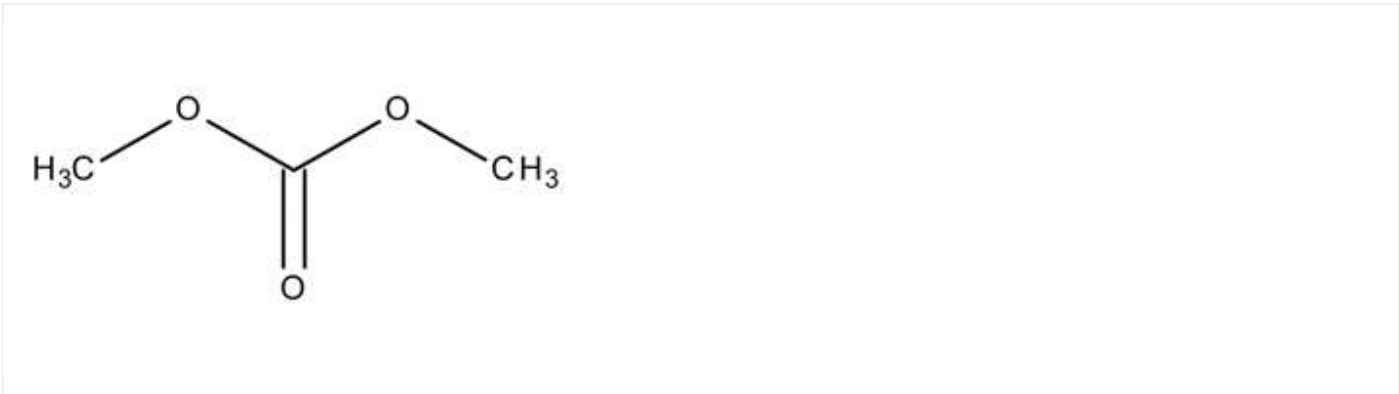
Hazardous Statement: H225-H336

Precaution Statement: P210-P261

DIMETHYL CARBONATE 99% FOR SYNTHESIS

DMC; Methyl carbonate; Carbonic acid dimethyl ester

Product Code.	01034	Grade	For Synthesis
Purity	99%	CAS No.	616-38-6
Molecular Formula	C3H6O3	Molecular Weight	90.08
H.S.Code	2920.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Pleasant
Melting point/ Freezing point [°C]	2 - 4 °C	Critical temperature [°C]	274.85°C	Flammability (solid, gas)	Flammable
Flash point [°C]	16 °C	Boiling point [°C]	90 °C	Vapour pressure [20°C]	5.6 kPa (@ 20°C)
Vapour density	3.1	Density [g/cm3]	1.069	Relative density, gas (air=1)	3.11
Solubility in water [% weight]	Insoluble in water	Explosion limits - upper [%]	12.87%	Explosion limits -lower [%]	4.22%

Packaging

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Specification

Appearance	A clear colorless liquid
Assay	Min 99.0%
Density (d20°C/4°C)	1.068 - 1.070 g/ml

Safety Information and Hazard Symbols



Symbol: GHS02

Signal Word: Danger

UN No.: 1161

IMCO Class No.: 3

Packing Group: II

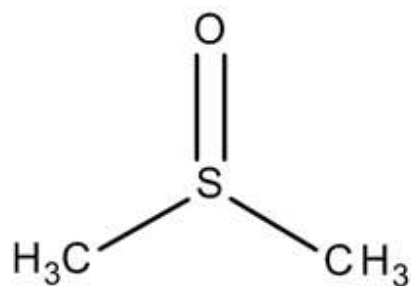
Hazardous Statement: H225

Precaution Statement: P210

DIMETHYL SULPHOXIDE 99% AR

Methyl sulfoxide; DMSO; Sulfinylbis(methane); Dimethyl sulfoxide; Sulfinylbismethane

Product Code.	01049	Grade	AR
Purity	99%	CAS No.	67-68-5
Molecular Formula	CH3SO.CH3	Molecular Weight	78.13
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Garlic-like odor
Melting point/ Freezing point [°C]	16 - 19 °C	Auto-ignition temperature [°C]	215°C	Flash point [°C]	87 °C
Boiling point [°C]	189 °C	Evaporation rate	4.3	Vapour pressure [20°C]	0.55 hPa at 20 °C
Vapour density	2.7	Density [g/cm3]	1.1 g/cm3	Solubility in water [% weight]	Completely miscible
Partition coefficient Log Pow octanol / water at 20°C	-2.03	Explosion limits - upper [%]	42%	Explosion limits -lower [%]	3.50%

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.0%
Weight/ mL at 20°C	1.099 - 1.101 g/ml

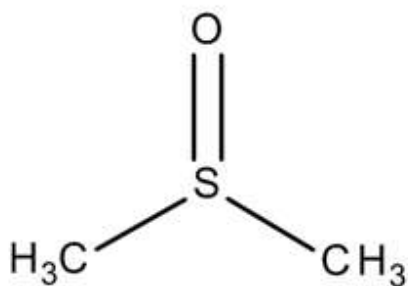
Freezing point	18 - 18.4 °C
Refractive index (20°C; 589 nm)	1.478 - 1.479
Water (H2O)	Max 0.1%
Non volatile matter	Max 0.01%
Copper (Cu)	Max 0.0001%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.0001%

Safety Information and Hazard Symbols

DIMETHYL SULPHOXIDE 99% FOR SYNTHESIS

Methyl sulfoxide; DMSO; Sulfinylbis(methane); Dimethyl sulfoxide; Sulfinylbismethane

Product Code.	01048	Grade	For Synthesis
Purity	99%	CAS No.	67-68-5
Molecular Formula	C2H6OS	Molecular Weight	78.13
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Garlic-like odor
Melting point/ Freezing point [°C]	16 - 19 °C	Auto-ignition temperature [°C]	215°C	Flash point [°C]	87 °C
Boiling point [°C]	189 °C	Evaporation rate	4.3	Vapour pressure [20°C]	0.55 hPa at 20 °C
Vapour density	2.7	Density [g/cm3]	1.1 g/cm3	Solubility in water [% weight]	Completely miscible
Partition coefficient Log Pow octanol / water at 20°C	-2.03	Explosion limits - upper [%]	42%	Explosion limits -lower [%]	3.50%

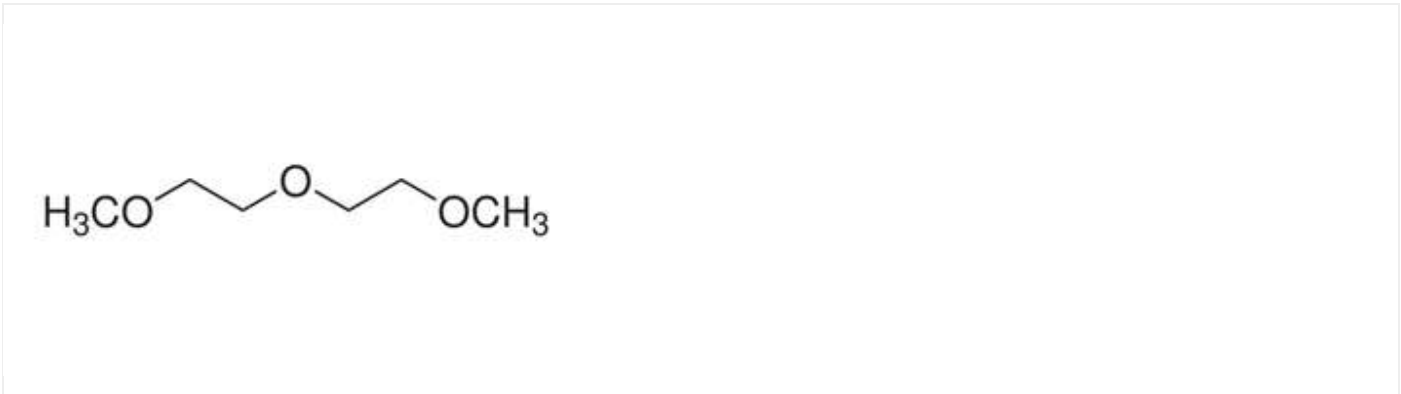
Specification

Appearance	A clear colorless liquid
Assay	Min 99.0%
Weight/ mL at 20°C	1.099 - 1.101 g/ml
Water (H2O)	Max 0.2%

DIMETHYLDIGOL 99% FOR SYNTHESIS

Diethylene glycol dimethyl ether, Diglyme

Product Code.	00990	Grade	
Purity	99%	CAS No.	111-96-6
Molecular Formula	(CH3OCH2CH2)2O	Molecular Weight	134.18
H.S.Code	2909.49000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Etheral odour
Melting point/ Freezing point [°C]	-64 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	55°C
Boiling point [°C]	162 °C	Evaporation rate	0.36	Vapour pressure mm/Hg	3.0 mm Hg @ 25 deg C
Vapour density	4.62	Density [g/cm3]	0.937	Solubility in water [% weight]	Soluble
Viscosity at 40°C [mm2/s]	1.14 mPa s 20 C	Explosion limits - upper [%]	17.40%	Explosion limits -lower [%]	5%

Packaging

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Specification

Appearance	A clear colorless liquid
Assay	Min 99%
Peroxide (as H2O2)	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS08

Signal Word: Danger

UN No.: 3271

IMCO Class No.: 3

Packing Group: III

Hazardous Statement: H226-H360FD

Precaution Statement: P201-P308 + P313

ETHER PETROLEUM 40-60°C AR

Petroleum Benzin 40-60°C

Product Code.	01132	Grade	AR
Purity		CAS No.	8032-32-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	2710.19900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline or kerosene
Melting point/ Freezing point [°C]	< -73°C	Auto-ignition temperature [°C]	288°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-40°C	Boiling point [°C]	40 - 60 °C	Initial boiling point [°C]	40 °C
Final boiling point [°C]	60 °C	Evaporation rate	10	Vapour pressure [20°C]	40 mm Hg @ 2°C
Vapour pressure mm/Hg	40 mm Hg @ 20C	Vapour density	2.5	Density [g/cm3]	0.60 - 0.75
Solubility in water [% weight]	Insoluble in water	Explosion limits - upper [%]	5.90%	Explosion limits -lower [%]	1.10%

Packaging

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Specification

Appearance	A clear colorless liquid, not more than 10 Hazen units in colour with characteristic odor
Bromine number	Max 3.0
Water (H2O)	Max 0.015%
Acidity	Max 0.0005% meq/gm
Non volatile matter	Max 0.001%
Sulphur compounds (as CS2)	Max 0.0003%
Copper (Cu)	Max 0.0001%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.0001%

Boiling range

40-60°C (min 90%)

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1268

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H304-H315-H336-H361-H373-H411

Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

ETHER PETROLEUM 40-60°C EXTRAPURE

Petroleum Benzin 40-60°C

Product Code.	01131	Grade	Extrapure
Purity		CAS No.	8032-32-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	2710.19900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline or kerosene
Melting point/ Freezing point [°C]	< -73°C	Auto-ignition temperature [°C]	288°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-40°C	Boiling point [°C]	40 - 60 °C	Initial boiling point [°C]	40 °C
Final boiling point [°C]	60 °C	Evaporation rate	10	Vapour pressure [20°C]	40 mm Hg @ 2°C
Vapour pressure mm/Hg	40 mm Hg @ 20C	Vapour density	2.5	Density [g/cm3]	0.60 - 0.75
Solubility in water [% weight]	Insoluble in water	Explosion limits - upper [%]	5.90%	Explosion limits -lower [%]	1.10%

Packaging

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Specification

Appearance	A clear colorless liquid with characteristic odor
Non volatile matter	Max 0.001%
Density (d20°C/4°C)	0.640 - 0.655 g/ml
Impurities with an acidic or alkaline reaction	Passes test
Foreign smell	Passes test
Sulphur compounds reducing impurities	Passes test
Tetraethyl lead	Passes test
Reaction against H2SO4	Passes test
Boiling range	40-60°C (min 90%)

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1268

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H304-H315-H336-H361-H373-H411

Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

ETHER PETROLEUM 60?-80?C AR

Petroleum Benzin 60-80°C ; Petroleum Ether

Product Code.	01135	Grade	
Purity		CAS No.	8032-32-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	2710.19900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline or kerosene
Auto-ignition temperature [°C]	240	Flammability (solid, gas)	Flammable	Flash point [°C]	-26
Boiling point [°C]	60 - 80	Initial boiling point [°C]	60	Final boiling point [°C]	80
Vapour pressure [20°C]	200 hPa	Density [g/cm3]	0.66 - 0.68	Solubility in water [% weight]	Insoluble in water
Explosion limits - upper [%]	7.8	Explosion limits -lower [%]	1.4		

Packaging

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Specification

Appearance	A clear colorless liquid
Water (H2O)	Max 0.015%
Acidity (as CH3COOH)	Max 0.0005%
Non volatile matter	Max 0.001%
Sulphur compounds (as CS2)	Max 0.0003%
Copper (Cu)	Max 0.0001%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.0001%
Weight/ mL at 20°C	0.660 - 0.670 g
Boiling range	60-80°C (min 90%)

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1268

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H304-H315-H336-H361-H373-H411

Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

ETHER PETROLEUM 60-80 °C EXTRAPURE

Petroleum Benzin 60-80°C

Product Code.	01134	Grade	Extrapure
Purity		CAS No.	8032-32-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	2710.19900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline or kerosene
Auto-ignition temperature [°C]	240	Flammability (solid, gas)	Flammable	Flash point [°C]	-26
Boiling point [°C]	60 - 80	Initial boiling point [°C]	60	Final boiling point [°C]	80
Vapour pressure [20°C]	200 hPa	Density [g/cm3]	0.66 - 0.68	Solubility in water [% weight]	Insoluble in water
Explosion limits - upper [%]	7.8	Explosion limits -lower [%]	1..4		

Specification

Appearance	A clear colorless liquid
Acidity (as CH ₃ COOH)	Max 0.001%
Non volatile matter	Max 0.002%
Weight/ mL at 20°C	0.660 - 0.680 g/ml
Boiling range	60 - 80°C (Min. 90%)

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1268 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H361-H373-H411 Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

ETHER PETROLEUM 80-100 °C FOR SYNTHESIS

Petroleum Benzin 80-100°C

Product Code.	01136	Grade	For synthesis
Purity		CAS No.	8032-32-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	2710.19900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline or kerosene
Auto-ignition temperature [°C]	250	Flammability (solid, gas)	Flammable	Flash point [°C]	-21
Boiling point [°C]	80-100	Initial boiling point [°C]	80 °C	Final boiling point [°C]	100 °C
Vapour pressure [20°C]	60 hPa	Density [g/cm3]	0.69	Solubility in water [% weight]	Insoluble in water
Explosion limits - upper [%]	6.5	Explosion limits -lower [%]	1.0		

Specification

Appearance	A clear colorless liquid with characteristic odour
Boiling range	80 - 100°C
Non volatile matter	Max 0.005%
Sulphur compounds (as S)	Max 0.005%
Aromatic substances (as C ₆ H ₅ CH ₃)	Max 0.02%
Water (by KF)	Max 0.01%
Density (at 25°C)	0.69 - 0.71 g/ml

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1268 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H361-H373-H411 Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

ETHER PETROLEUM 100-120 DEG C

Petroleum Benzin 100-120°C

Product Code.	01137	Grade	
Purity		CAS No.	8032-32-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	2710.19900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline or kerosene
Auto-ignition temperature [°C]	250	Flammability (solid, gas)	Flammable	Flash point [°C]	<-10
Boiling point [°C]	100-125	Initial boiling point [°C]	100	Final boiling point [°C]	125
Vapour pressure [20°C]	30 - 40 hPa	Vapour density	2.5	Density [g/cm3]	0.7
Solubility in water [% weight]	Insoluble in water	Explosion limits - upper [%]	6.5	Explosion limits -lower [%]	0.8

Specification

Appearance	A clear colorless liquid
Boiling range	100 - 120°C
Non volatile matter	Max 0.005%
Sulphur compounds (as S)	Max 0.005%
Aromatic substances (as C ₆ H ₅ CH ₃)	Max 0.02%
Density (at 25°C)	0.700 - 0.730 g/mL
Water (by KF)	Max 0.03%

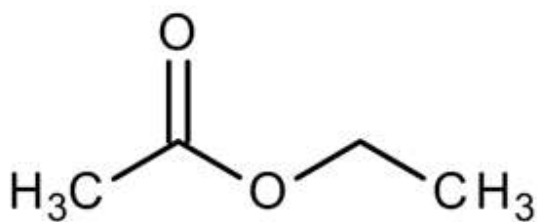
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1268 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H361-H373-H411 Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

ETHYL ACETATE 99.5% AR

EtOAc ; Acetic acid ethyl ester; Acetic ether; Acetidin; Acetoxyethane; Ethyl acetic ester; Ethyl ethanoate; Vinegar naphtha

Product Code.	01141	Grade	AR
Purity	99.5%	CAS No.	141-78-6
Molecular Formula	C4H8O2	Molecular Weight	88.11
H.S.Code	2915.31000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Fruity odor
Melting point/ Freezing point [°C]	-83 °C	Decomposition point [°C]	426°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-4°C	Boiling point [°C]	77°C	Evaporation rate	6
Vapour pressure mm/Hg	76 @ 20C	Vapour density	3	Density [g/cm3]	0.902
Solubility in water [% weight]	1 ml/10ml water @ 25C	Explosion limits - upper [%]	11.50%	Explosion limits -lower [%]	2%

Packaging

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Specification

Appearance	A clear Colourless liquid
Purity (by GC)	Min 99.5%
Boiling range	76 - 78 °C
APHA colour	Max 10

Weight/ mL at 20°C	0.901 - 0.904 g/ml
Refractive index (20°C; 589 nm)	1.372 - 1.373
Water (by KF)	Max 0.05%
Acidity (as CH ₃ COOH)	Max 0.0009 meq/gm
Non volatile matter	Max 0.001%
Copper (Cu)	Max 0.00005%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.00005%
Organic impurities	Passes test
Substance darkened by H ₂ SO ₄	Passes test

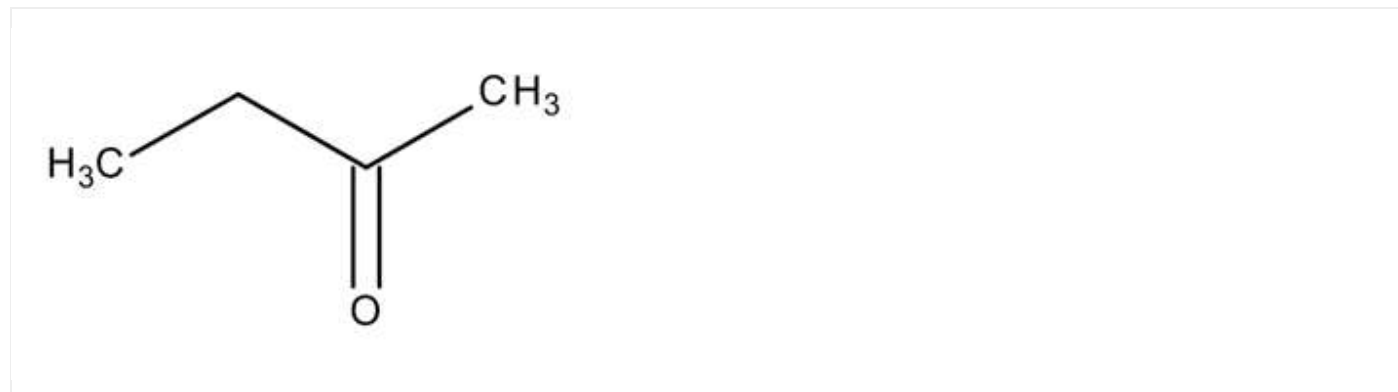
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1173 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H319-H336 Precaution Statement: P210-P261-P305 + P351 + P338

ETHYL METHYL KETONE 99.5% AR

MEK, Butanone

Product Code.	01186	Grade	AR
Purity	99.5%	CAS No.	78-93-3
Molecular Formula	C ₄ H ₈ O	Molecular Weight	72.11
H.S.Code	2914.12000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Sharp mint-like odor
Melting point/ Freezing point [°C]	-87 °C	Auto-ignition temperature [°C]	404°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-3 °C	Boiling point [°C]	80 °C	Evaporation rate	2.7
Vapour pressure [20°C]	95 hPa at 20 °C	Vapour density	2.49	Density [g/cm ³]	0.81
Solubility in water [% weight]	29 g in 100 g of water	Partition coefficient Log Pow octanol / water at 20°C	0.29	Explosion limits - upper [%]	10.10%
Explosion limits -lower [%]	1.80%				

Packaging

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Specification

Appearance	A clear colourless liquid
Purity (by GC)	Min 99.5%
Weight/ mL at 20°C	0.805 - 0.815 g/ml

Colour scale	Max 10 Hazen
Titration acid	Max 0.0005 meq/g
Alkalinity	Max 0.0002 meq/g
Boiling Point	79 - 80 °C
Acetone (CH ₃ .CO.CH ₃) by GC	Max 0.05%
2-Butanol (GC)	Max 0.05%
Methanol (GC,area %)	Max 0.05%
2-Methyl-2-propanol (GC)	Max 0.1%
Substance reducing KMnO ₄ (as O)	Max 0.0003%
Refractive index (20°C; 589 nm)	1.377 - 1.389
Water (H ₂ O)	Max 0.2%
Non volatile matter	Max 0.002%
Copper (Cu)	Max 0.0001%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.0001%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1193

IMCO Class No.: 3

Packing Group: II

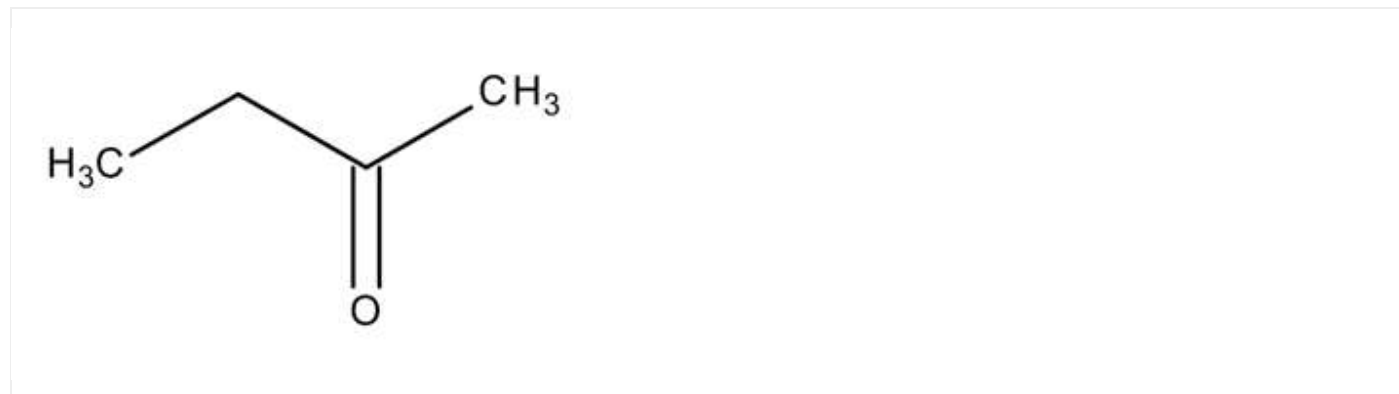
Hazardous Statement: H225-H319-H336

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

ETHYL METHYL KETONE 99.7% HPLC

2-Butanone; MEK; Methyl ethyl ketone

Product Code.	01187	Grade	
Purity	99.7%	CAS No.	78-93-3
Molecular Formula	C4H8O	Molecular Weight	72.11
H.S.Code	2914.12000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Sharp mint-like odor
Melting point/ Freezing point [°C]	-87 °C	Auto-ignition temperature [°C]	404°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-3 °C	Boiling point [°C]	80 °C	Evaporation rate	2.7
Vapour pressure [20°C]	95 hPa at 20 °C	Vapour density	2.49	Density [g/cm3]	0.81
Solubility in water [% weight]	29 g in 100 g of water	Partition coefficient Log Pow octanol / water at 20°C	0.29	Explosion limits - upper [%]	10.10%
Explosion limits -lower [%]	1.80%				

Packaging

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Specification

Appearance	A clear colourless liquid
Assay	Min 99.7%
Density (d20°C/4°C)	0.805 - 0.815

APHA colour	Max 10 Hazen
Non volatile matter	Max 0.001%
Acidity	Max 0.003 meq/g
Water (H2O)	Max 0.1%
UV spectrum (1 cm cell; Ref.: water)	
Wavelength (nm)	Min T (%)
330	20
340	80
350	98

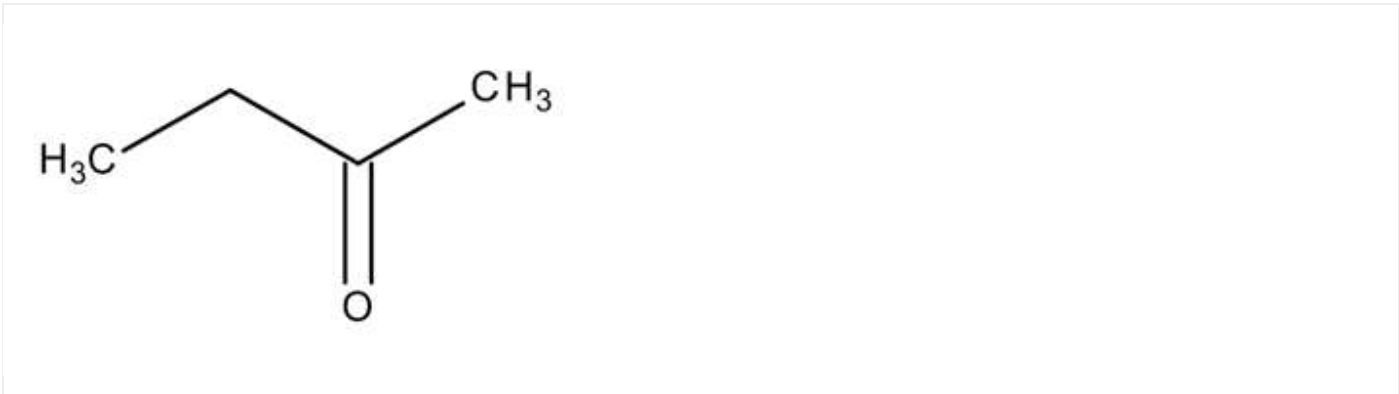
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1193 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H319-H336 Precaution Statement: P210-P261-P305 + P351 + P338

ETHYL METHYL KETONE 99% FOR SYNTHESIS

MEK, Butanone

Product Code.	01185	Grade	For Synthesis
Purity	99%	CAS No.	78-93-3
Molecular Formula	C4H8O	Molecular Weight	72.11
H.S.Code	2914.12000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Sharp mint-like odor
Melting point/ Freezing point [°C]	-87 °C	Auto-ignition temperature [°C]	404°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-3 °C	Boiling point [°C]	80 °C	Evaporation rate	2.7
Vapour pressure [20°C]	95 hPa at 20 °C	Vapour density	2.49	Density [g/cm3]	0.81
Solubility in water [% weight]	29 g in 100 g of water	Partition coefficient Log Pow octanol / water at 20°C	0.29	Explosion limits - upper [%]	10.10%
Explosion limits -lower [%]	1.80%				

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.0%
Weight/ mL at 20°C	0.803 - 0.805 g/ml

Non volatile matter

Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1193

IMCO Class No.: 3

Packing Group: II

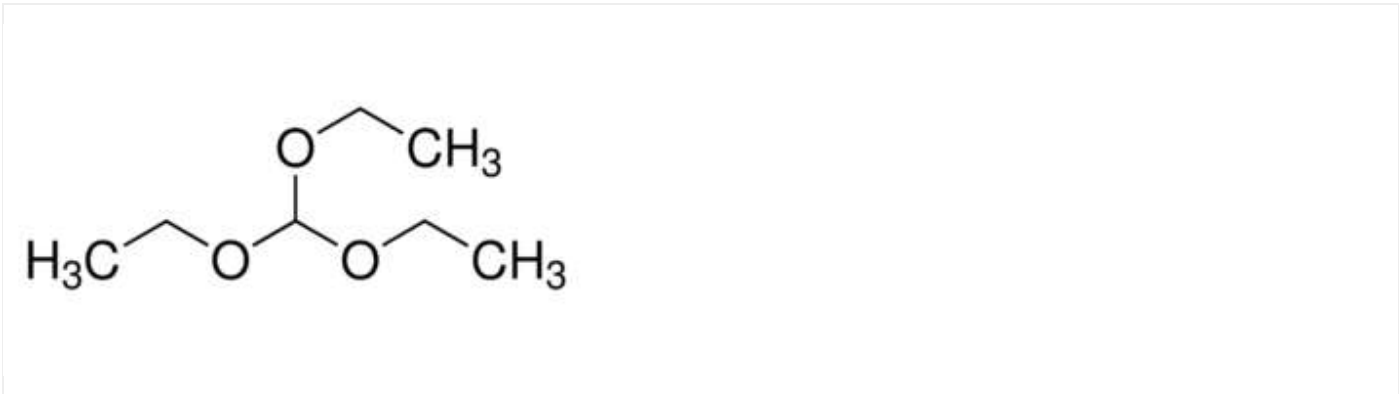
Hazardous Statement: H225-H319-H336

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

ETHYL ORTHOFORMATE (TRIETHYL ORTHOFORMATE)

` Ethyl orthoformate, Orthoformic acid triethyl ester, triethoxymethane

Product Code.	01190	Grade	
Purity	98%	CAS No.	122-51-0
Molecular Formula	C7H16O3	Molecular Weight	148.20
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Amine-like
pH value	12.7 at 100 g/l at 15 °C	Melting point/ Freezing point [°C]	-115 °C	Auto-ignition temperature [°C]	312 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	-15 °C	Boiling point [°C]	88.8 °C
Evaporation rate	5.6	Vapour pressure [20°C]	68.99 hPa at 20 °C	Vapour density	3.5
Density [g/cm3]	0.73	Solubility in water [% weight]	5.5 g./100 g. water at 20C	Partition coefficient Log Pow octanol / water at 20°C	1.15
Explosion limits - upper [%]	8%	Explosion limits -lower [%]	1.20%		

Packaging

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Specification

Appearance	A clear, colourless liquid
Assay	Min 98%

Density (d20°C/4°C)	0.892 - 0.893
Refractive index (20°C; 589 nm)	1.3905 - 1.3915

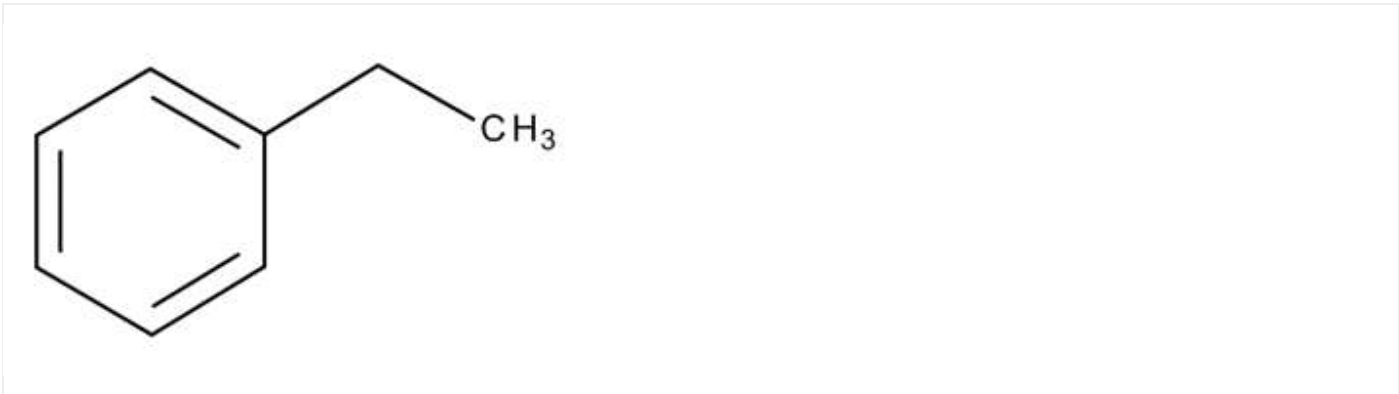
Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Warning UN No.: 2524 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226 Precaution Statement: P210-P403+235

ETHYLBENZENE 99% FOR SYNTHESIS

Phenylethane

Product Code.	01149	Grade	For Synthesis
Purity	99%	CAS No.	100-41-4
Molecular Formula	C6H5C2H5	Molecular Weight	106.17
H.S.Code	2902.60000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Sweet Aromatic odour
Odour threshold	140 ppm	Melting point/ Freezing point [°C]	-95 °C	Critical temperature [°C]	617.15°C
Auto-ignition temperature [°C]	432 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	15°C
Boiling point [°C]	136 °C	Vapour pressure [20°C]	0.9 kPa (@ 20°C)	Vapour density	3.66
Density [g/cm3]	0.867	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.92
Explosion limits - upper [%]	6.70%	Explosion limits -lower [%]	1%		

Packaging

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Specification

Appearance	Colorless liquid
Purity (by GC)	Min 99%
Density (d20°C/4°C)	0.866 - 0.867 g/ml

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1175

IMCO Class No.: 3

Packing Group: II

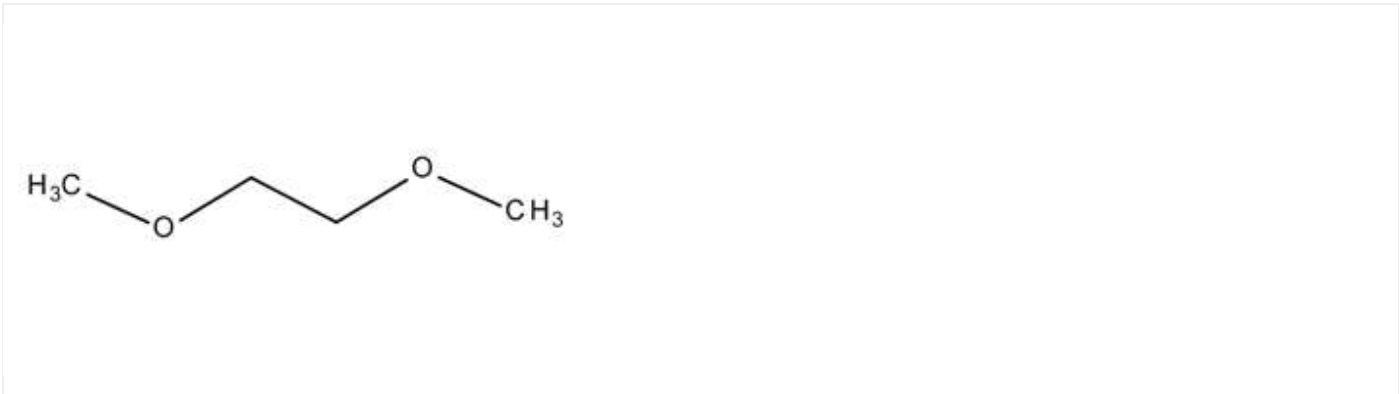
Hazardous Statement: H225-H332

Precaution Statement: P210

ETHYLENE GLYCOL DIMETHYL ETHER 99% EXTRAPURE

1 Monoglyme ; ETHYLENE GLYCOL DIMETHYL ETHER

Product Code.	01019	Grade	Extrapure
Purity	99%	CAS No.	110-71-4
Molecular Formula	C4H10O2	Molecular Weight	90.12
H.S.Code	2909.49000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Sharp, ethereal odor
Melting point/ Freezing point [°C]	-58°C	Auto-ignition temperature [°C]	202°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-2°C	Boiling point [°C]	82 - 83°C	Initial boiling point [°C]	82°C
Final boiling point [°C]	83°C	Evaporation rate	5	Vapour pressure [20°C]	64 hPa (@ 20°C)
Vapour density	3.1	Density [g/cm3]	0.86	Solubility in water [% weight]	Miscible in water
Viscosity at 40°C [mm2/s]	1.1 mPas 20 deg C				

Packaging

Specification

Appearance	A clear colorless liquid
Assay	Min 99.0%

Density (d20°C/4°C)	0.866 - 0.868 g/ml
Peroxide (as H2O2)	Max 0.005%
Water (by KF)	Max 0.2%

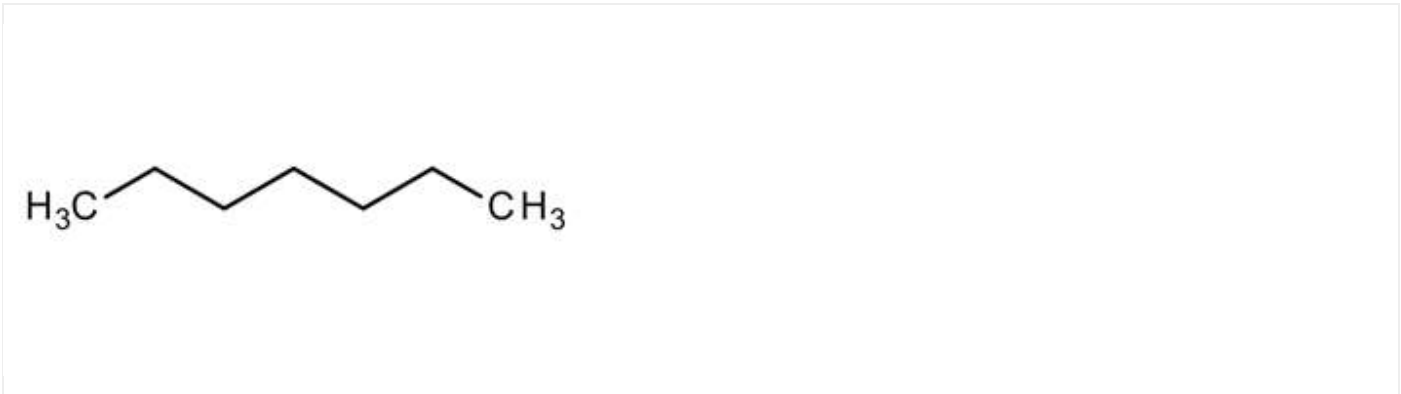
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 2252 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H332-H360FD Precaution Statement: P201-P210-P308 + P313

HEPTANE 85% EXTRAPURE

Fraction from petroleum

Product Code.	01333	Grade	Extrapure
Purity	85%	CAS No.	142-82-5
Molecular Formula	C7H16	Molecular Weight	100.21
H.S.Code	2901.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	mild odor - gasoline-like
Melting point/ Freezing point [°C]	-91 °C	Auto-ignition temperature [°C]	223°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-4,0 °C	Boiling point [°C]	98 °C	Evaporation rate	2.8
Vapour pressure [20°C]	53.3 hPa at 20,0 °C	Vapour pressure mm/Hg	46 mm Hg @ 25 deg C	Vapour density	3.5
Density [g/cm3]	0.68	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	>3
Explosion limits - upper [%]	7%	Explosion limits -lower [%]	1.10%		

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 85.0%

Weight/ mL at 20°C

0.683 - 0.693 g/ml

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1206

IMCO Class No.: 3

Packing Group: II

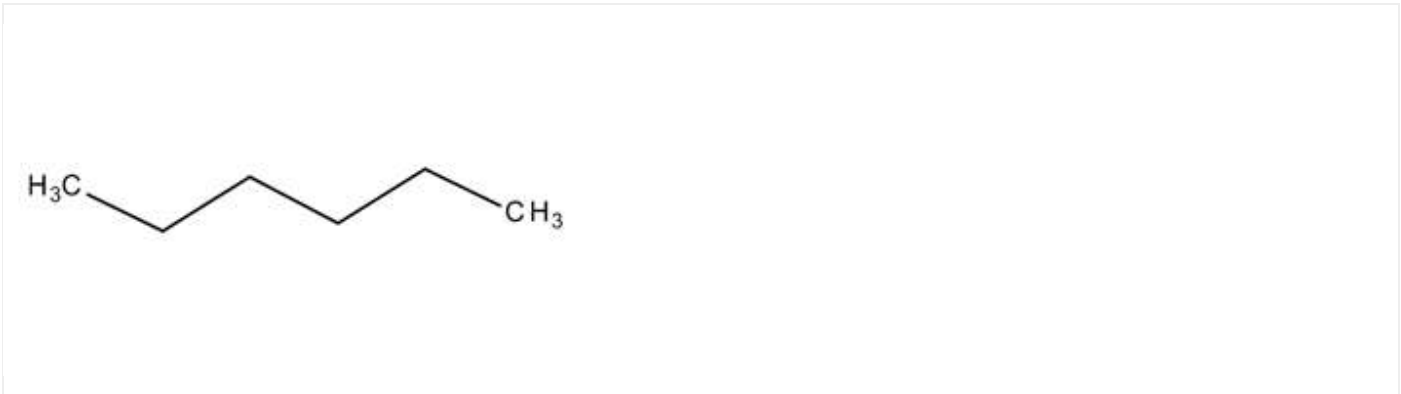
Hazardous Statement: H225-H304-H315-H336-H410

Precaution Statement: P210-P261-P273-P301 + P310-P331-P501

HEXANE 65-70° C 85% EXTRA PURE

Fraction from petroleum

Product Code.	01347	Grade	
Purity	85%	CAS No.	110-54-3
Molecular Formula	C6H14	Molecular Weight	86.18
H.S.Code	2901.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline-like
Melting point/ Freezing point [°C]	-95 °C	Auto-ignition temperature [°C]	225 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-23 °C	Boiling point [°C]	68 - 70 °C	Initial boiling point [°C]	68°C
Final boiling point [°C]	70 °C	Vapour pressure mm/Hg	151 mm Hg @ 25 deg C	Vapour density	2.97
Density [g/cm3]	0.678	Solubility in water [% weight]	Insoluble in water	Viscosity at 40°C [mm2/s]	0.31 mPas 20 deg C
Explosion limits - upper [%]	7.50%	Explosion limits -lower [%]	1.10%		

Packaging

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Specification

Appearance	A clear colorless liquid
Assay	Min 85%

Weight/ mL at 20°C	0.655 - 0.665 g
Non volatile matter	Max 0.002%

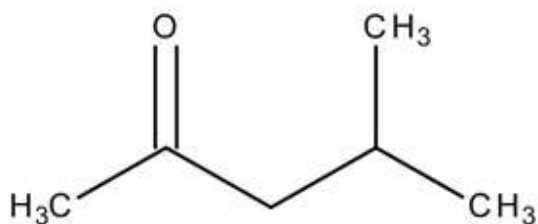
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1208 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H361f-H373-H411 Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

ISO-BUTYL METHYL KETONE 99% AR

4-Methyl-2-pentanone, Isopropylacetone

Product Code.	00583	Grade	
Purity	99%	CAS No.	108-10-1
Molecular Formula	(CH ₃) ₂ CHCH ₂ COCH ₃	Molecular Weight	100.16
H.S.Code	2914.13000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Slight camphor odor
Melting point/ Freezing point [°C]	-80 °C	Auto-ignition temperature [°C]	459 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	14 °C	Boiling point [°C]	117 - 118 °C	Initial boiling point [°C]	117°C
Final boiling point [°C]	118 °C	Vapour pressure [20°C]	20 hPa at 20 °C	Vapour density	3.46
Density [g/cm ³]	0.8	Solubility in water [% weight]	Moderately soluble in water (1-10%)	Partition coefficient Log Pow octanol / water at 20°C	1.31
Explosion limits - upper [%]	8%	Explosion limits -lower [%]	1.20%		

Packaging



Specification

Appearance	A clear colorless liquid
Assay (GC area %)	Min 99%
Weight/ mL at 20°C	0.799 - 0.802
Refractive index (20°C; 589 nm)	1.395 - 1.397
Water (H ₂ O)	Max 0.05%
Acidity (as CH ₃ COOH)	Max 0.001%
Non volatile matter	Max 0.001%
Copper (Cu)	Max 0.00005%
Iron (Fe)	Max 0.00005%
Lead (Pb)	Max 0.00005%

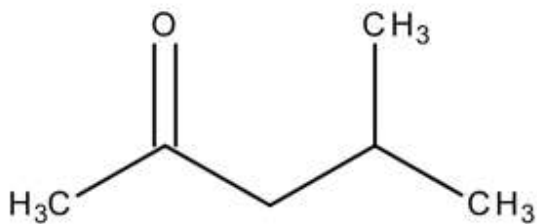
Safety Information and Hazard Symbols

 The image shows three GHS hazard symbols in red diamonds: a flame (F+), a health hazard (H373), and an environment (N).
Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1245 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H319-H332-H335 Precaution Statement: P210-P261-P305 + P351 + P338

ISO-BUTYL METHYL KETONE 99% FOR SYNTHESIS

4-Methyl-2-pentanone, Isopropylacetone

Product Code.	00582	Grade	
Purity	99%	CAS No.	108-10-1
Molecular Formula	(CH ₃) ₂ CHCH ₂ COCH ₃	Molecular Weight	100.16
H.S.Code	2914.13000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Slight camphor odor
Melting point/ Freezing point [°C]	-80 °C	Auto-ignition temperature [°C]	459 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	14 °C	Boiling point [°C]	117 - 118 °C	Initial boiling point [°C]	117°C
Final boiling point [°C]	118 °C	Vapour pressure [20°C]	20 hPa at 20 °C	Vapour density	3.46
Density [g/cm ³]	0.8	Solubility in water [% weight]	Moderately soluble in water (1-10%)	Partition coefficient Log Pow octanol / water at 20°C	1.31
Explosion limits - upper [%]	8%	Explosion limits -lower [%]	1.20%		

Packaging

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Specification

Appearance	A clear colorless liquid
Assay	Min 99%

Weight/ mL at 20°C	0.799 - 0.802
Refractive index (20°C; 589 nm)	1.3945 - 1.3965
Free acid	Max 0.2 ml N%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1245

IMCO Class No.: 3

Packing Group: II

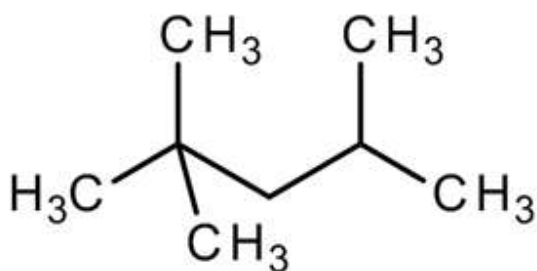
Hazardous Statement: H225-H319-H332-H335

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

ISO-OCTANE (2,2,4-TRIMETHYLPENTANE)

2,2,4-trimethylpentane

Product Code.	01879	Grade	
Purity	99.0%	CAS No.	540-84-1
Molecular Formula	C8H18	Molecular Weight	114.23
H.S.Code	2901.10000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Benzene-like
Melting point/ Freezing point [°C]	-107.45°C	Auto-ignition temperature [°C]	418°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-12°C	Boiling point [°C]	98 - 99 °C	Initial boiling point [°C]	98°C
Final boiling point [°C]	99 °C	Vapour pressure [20°C]	5.4 kPa (@ 20°C)	Vapour density	3.93
Density [g/cm3]	0.69194	Relative density, liquid (water=1)	0.69194	Solubility in water [% weight]	Insoluble in cold water
Partition coefficient Log Pow octanol / water at 20°C	4.6	Explosion limits - upper [%]	6%	Explosion limits -lower [%]	1%

Packaging

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Specification

Appearance	Clear liquid, color not more than 10 hazen units
Assay	Min 99.0%

Colour scale	Max 10 APHA
Identity (IR)	Conforms to structure
Weight/ mL at 20°C	0.691 - 0.693 g/ml
Bromine number	Max 0.5
Refractive index (20°C; 589 nm)	1.391 - 1.392
Water (H2O)	Max 0.025%
Acidity (as CH3COOH)	Max 0.0003 meq/g
Non volatile matter	Max 0.001%
Sulphur compounds (as CS2)	Max 0.005%
Copper (Cu)	Max 0.00002%
Iron (Fe)	Max 0.00005%
Lead (Pb)	Max 0.00002%
Substance darkened by H2SO4	Passes test

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1262 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H410 Precaution Statement: P210-P261-P273-P301 + P310-P331-P501

ISO-OCTANE 99.5% FOR HPLC & UV SPECTROSCOPY

2,2,4-trimethylpentane

Product Code.	1879B	Grade	FOR HPLC & UV SPECTROSCOPY
Purity	99.5%	CAS No.	540-84-1
Molecular Formula	C8H18	Molecular Weight	114.23
H.S.Code	2901.10000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Benzene-like
Melting point/ Freezing point [°C]	-107.45°C	Auto-ignition temperature [°C]	418°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-12°C	Boiling point [°C]	98 - 99 °C	Initial boiling point [°C]	98°C
Final boiling point [°C]	99 °C	Vapour pressure [20°C]	5.4 kPa (@ 20°C)	Vapour density	3.93
Density [g/cm3]	0.69194	Relative density, liquid (water=1)	0.69194	Solubility in water [% weight]	Insoluble in cold water
Partition coefficient Log Pow octanol / water at 20°C	4.6	Explosion limits - upper [%]	6%	Explosion limits -lower [%]	1%

Packaging

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Specification

Appearance	Clear liquid, color not more than 10 hazen unit
Purity (by GC)	Min 99.5%
Non-volatile matter	Max 0.0002%
Acidity (as CH3COOH)	Max 0.001%
Water (H2O)	Max 0.05%
at 210 nm	Max 1.0
at 220 nm	Max 0.30
at 230 nm	Max 0.10

at 240 nm	Max 0.05
at 250 nm	Max 0.01
at 270 nm	Max 0.01

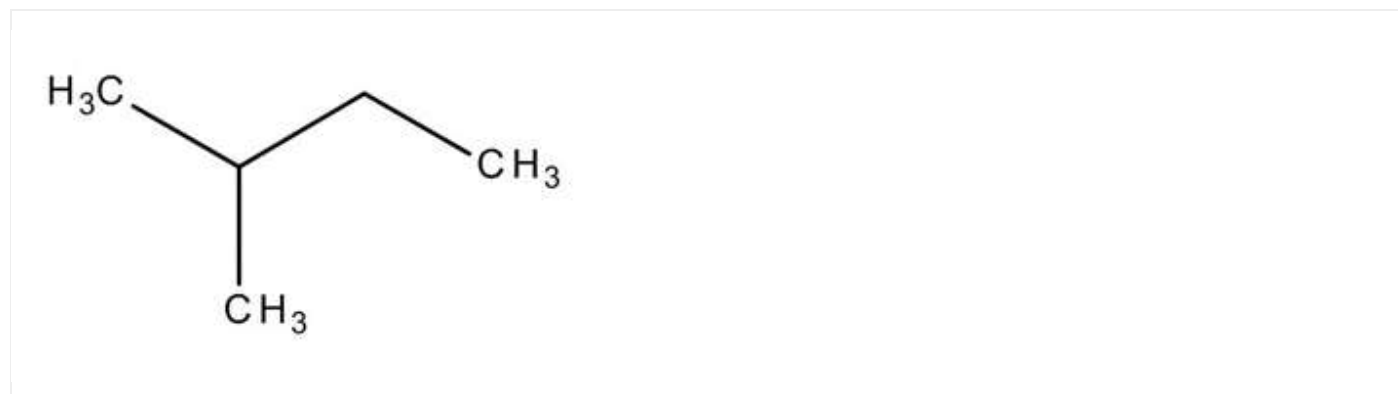
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1262 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H410 Precaution Statement: P210-P261-P273-P301 + P310-P331-P501

ISO-PENTANE

2-Methylbutane

Product Code.	01942	Grade	
Purity	99%	CAS No.	78-78-4
Molecular Formula	C ₅ H ₁₂	Molecular Weight	72.15
H.S.Code	2901.10000	Shelf Life	60 Months



Specification

Appearance	A clear colorless liquid
Assay (GC area %)	Min 99%
Density (at 20°C)	0.618 - 0.622 g/ml
Non volatile matter	Max 0.001%
n-Pentane (GC)	Max 0.5%
Sulphur compounds (as S)	Max 0.002%
Acidity	Max 0.0005 meq/g

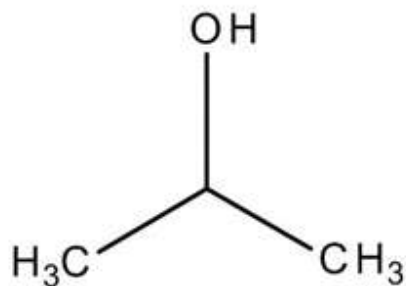
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1265 IMCO Class No.: 3 Packing Group: I Hazardous Statement: H224-H304-H336-H411 Precaution Statement: P210-P261-P273-P301 + P310-P331

ISO-PROPYL ALCOHOL 99.5% AR

Confirms to IP, BP 2-Propanol, sec-Propyl alcohol, IPA, Isopropanol, Isopropyl alcohol

Product Code.	02202	Grade	AR
Purity	99.5%	CAS No.	67-63-0
Molecular Formula	C3H8O	Molecular Weight	60.10
H.S.Code	2905.12200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Alcoholic odour
Melting point/ Freezing point [°C]	-89°C	Auto-ignition temperature [°C]	399°C	Flammability (solid, gas)	Flammable
Flash point [°C]	12°C	Boiling point [°C]	82°C	Evaporation rate	2.83
Vapour pressure [20°C]	43.2 hPa at 20°C	Vapour pressure mm/Hg	44 mm Hg @ 25C	Vapour density	2.1
Density [g/cm3]	0.79	Solubility in water [% weight]	Miscible in water	Partition coefficient Log Pow octanol / water at 20°C	0.05
Explosion limits - upper [%]	12.70%	Explosion limits -lower [%]	2%		

Packaging

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Specification

Appearance	Clear colorless liquid
Assay	Min 99.5%
Identity (acc. to pharmacopoeias)	Passes test

Weight/ mL at 20°C	0.782 - 0.786 g/ml
Refractive index (20°C; 589 nm)	1.376 - 1.378
Water (H2O)	Max 0.1%
Acidity (as C2H5COOH)	Max 0.001%
Non volatile matter	Max 0.002%
Benzene (C6H6)	Max 0.0002%
Ethanol (G.C.) (v/v)	Max 0.05%
Peroxide (as H2O2)	Passes test
Related Substances	Max 0.3%
Acidity or alkalinity	Passes test
Aldehydes and Ketones [(CH3)2CO]	Max 0.005%
Copper (Cu)	Max 0.0002%
Iron (Fe)	Max 0.0002%
Lead (Pb)	Max 0.0002%
Substance reducing KMnO4 (as O)	Max 0.0005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1219

IMCO Class No.: 3

Packing Group: II

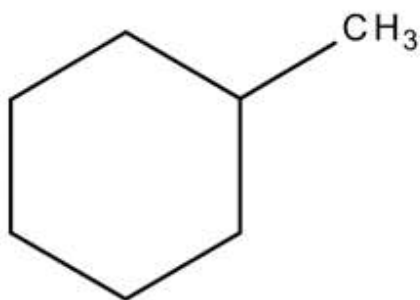
Hazardous Statement: H225-H319-H336

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

METHYL CYCLOHEXANE 99% FOR SYNTHESIS

Hexahydrotoluene

Product Code.	01718	Grade	For Synthesis
Purity	99%	CAS No.	108-87-2
Molecular Formula	C7H14	Molecular Weight	98.19
H.S.Code	2906.12000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Faint benzene-like odor
Melting point/ Freezing point [°C]	-126 °C	Auto-ignition temperature [°C]	283 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-4,0 °C	Boiling point [°C]	101 °C	Vapour pressure [20°C]	49.3 hPa at 20,0 °C
Vapour density	3.4	Density [g/cm3]	0.77	Solubility in water [% weight]	Insoluble in water
Explosion limits - upper [%]	6.70%	Explosion limits -lower [%]	1.10%		

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.0%
Density (d20°C/4°C)	0.769 - 0.770 g/ml

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 2296

IMCO Class No.: 3

Packing Group: II

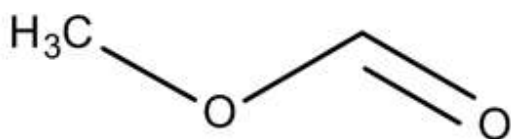
Hazardous Statement: H225-H304-H315-H336-H411

Precaution Statement: P210-P261-P273-P301 + P310-P331

METHYL FORMATE 97% FOR SYNTHESIS

Formic acid methyl ester

Product Code.	01728	Grade	For Synthesis
Purity	97%	CAS No.	107-31-3
Molecular Formula	C2H4O2	Molecular Weight	60.05
H.S.Code	2915.13000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ethereal
Odour threshold	203.6 ppm	pH value	4,0 - 5,0 at 200 g/l at 20 °C	Melting point/ Freezing point [°C]	-100 °C
Auto-ignition temperature [°C]	449°C	Flammability (solid, gas)	Flammable	Flash point [°C]	-19°C
Boiling point [°C]	32 - 34 °C	Initial boiling point [°C]	32°C	Final boiling point [°C]	34 °C
Vapour pressure [20°C]	634.9 hPa at 20 °C	Vapour density	2.07	Density [g/cm3]	0.975
Solubility in water [% weight]	Easily soluble in cold water	Partition coefficient Log Pow octanol / water at 20°C	-0.21	Explosion limits - upper [%]	23%
Explosion limits -lower [%]	5%				

Packaging

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Specification

Appearance	Colorless liquid
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Purity (by GC)	About 97.0%
Density (d20°C/4°C)	0.969 - 0.971 g/ml
Methanol (GC,area %)	~3%
Identity (IR)	Passes test

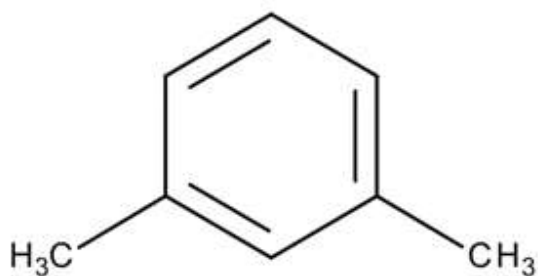
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 1243 IMCO Class No.: 3 Packing Group: I Hazardous Statement: H224-H302-H319-H332-H335 Precaution Statement: P210-P261-P305 + P351 + P338

M-XYLENE 99% FOR SYNTHESIS

1,3-Dimethylbenzene; meta-Xylene; m-Xylol

Product Code.	02849	Grade	
Purity	99%	CAS No.	108-38-3
Molecular Formula	C8H10	Molecular Weight	106.17
H.S.Code	2902.42000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Characteristic odour
Melting point/ Freezing point [°C]	-26 - -23 °C	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	0.7	Vapour pressure [20°C]	9 mm Hg @ 20 °C
Vapour pressure mm/Hg	9 mm Hg @ 20 °C	Vapour density	3.7	Density [g/cm3]	0.86
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

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Specification

Appearance	Clear colorless liquid
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Assay	Min 99%
Density (d20°C/4°C)	~ 0.864
Free acid (as HCl)	Max 0.002%
Ethylbenzene (GC)	Max 0.1%
o-Xylene	Max 0.5%
p-Xylene	Max 0.3%
Toluene (C ₆ H ₅ CH ₃)	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Warning

UN No.: 1307

IMCO Class No.: 3

Packing Group: III

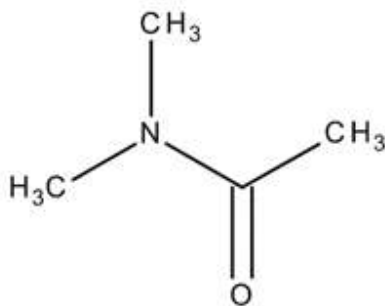
Hazardous Statement: H226-H312-H315-H332

Precaution Statement: P280

N,N-DIMETHYL ACETAMIDE 99% FOR SYNTHESIS

Acid dimethylamide

Product Code.	01021	Grade	For Synthesis
Purity	99%	CAS No.	127-19-5
Molecular Formula	C4H9NO	Molecular Weight	87.12
H.S.Code	2924.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Faint ammonia odor
pH value	4 at 200 g/l at 20 °C	Melting point/ Freezing point [°C]	-20 °C	Auto-ignition temperature [°C]	490°C
Flash point [°C]	70 °C	Boiling point [°C]	164.5 - 166 °C	Initial boiling point [°C]	164.5°C
Final boiling point [°C]	166 °C	Evaporation rate	<0.17	Vapour pressure [20°C]	1.5 mm Hg at 20 °C
Vapour pressure mm/Hg	1.5 mm Hg at 20 °C	Vapour density	3.01	Density [g/cm3]	0.94
Solubility in water [% weight]	Completely miscible	Partition coefficient Log Pow octanol / water at 20°C	0.77	Explosion limits - upper [%]	11.50%
Explosion limits -lower [%]	1.80%				

Specification

Appearance	A clear, colorless liquid
Assay	Min 99.0%
Weight/ mL at 20°C	0.938 - 0.942 g/ml

Refractive index (20°C; 589 nm)	1.4375 to1.4405
Moisture content	Max 0.1%
Free acid (as acetic acid)	Max 0.12%

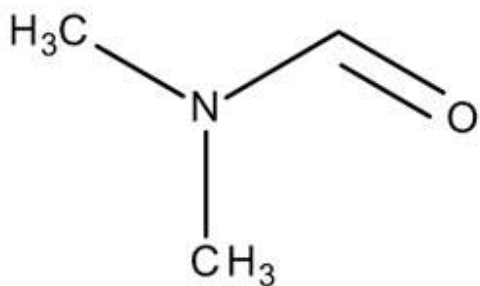
Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger Hazardous Statement: H312-H332-H360D Precaution Statement: P201-P280-P308 + P313

N,N-DIMETHYL FORMAMIDE 99.8% AR

DMF; Dimethylformamide , N,N-Dimethyl Formamide

Product Code.	01036	Grade	AR
Purity	99.8%	CAS No.	68-12-2
Molecular Formula	H.CON(CH ₃) ₂	Molecular Weight	73.09
H.S.Code	2924.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Fishy pungent & amine like
pH value	6.7	Melting point/ Freezing point [°C]	-61 °C	Auto-ignition temperature [°C]	445°C
Flammability (solid, gas)	Flammable	Flash point [°C]	58°C	Boiling point [°C]	153 °C
Evaporation rate	0.17	Vapour pressure [20°C]	2.7 @ 2°C	Vapour density	2.52
Density [g/cm ³]	0.949	Solubility in water [% weight]	Complete	Partition coefficient Log Pow octanol / water at 20°C	1.01
Explosion limits - upper [%]	15.20%	Explosion limits -lower [%]	2.20%		

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.8%
Weight/ mL at 20°C	0.949 - 0.952 g/ml

Refractive index (20°C; 589 nm)	1.429 - 1.431
APHA colour	Max 15
Diethylamine (GC)	Max 0.05%
Dimethylamine (GC)	Max 0.05%
Methanol (GC,area %)	Max 0.05%
Water (H2O)	Max 0.1%
Acidity	Max 0.0005 meq/gm
Alkalinity	Max 0.0005 meq/gm
Non volatile matter	Max 0.005%
Copper (Cu)	Max 0.0005%
Iron (Fe)	Max 0.0005%
Lead (Pb)	Max 0.0005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 2265

IMCO Class No.: 3

Packing Group: III

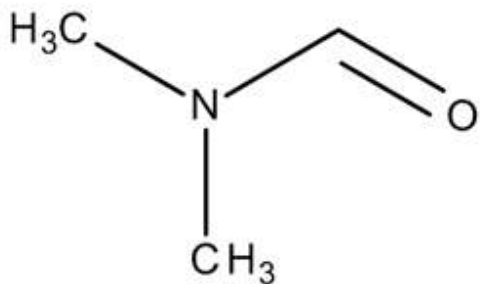
Hazardous Statement: H226-H312-H319-H332-H360D

Precaution Statement: P201-P280-P305 + P351 + P338-P308 + P313

N,N-DIMETHYL FORMAMIDE 99% FOR SYNTHESIS

DMF; Dimethylformamide ; N,N-Dimethyl Formamide

Product Code.	01035	Grade	For Synthesis
Purity	99%	CAS No.	68-12-2
Molecular Formula	H.CON(CH ₃) ₂	Molecular Weight	73.09
H.S.Code	2924.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Fishy pungent & amine like
pH value	6.7	Melting point/ Freezing point [°C]	-61 °C	Auto-ignition temperature [°C]	445°C
Flammability (solid, gas)	Flammable	Flash point [°C]	58°C	Boiling point [°C]	153 °C
Evaporation rate	0.17	Vapour pressure [20°C]	2.7 @ 2°C	Vapour density	2.52
Density [g/cm ³]	0.949	Solubility in water [% weight]	Complete	Partition coefficient Log Pow octanol / water at 20°C	1.01
Explosion limits - upper [%]	15.20%	Explosion limits -lower [%]	2.20%		

Packaging

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Specification

Appearance	A clear colorless liquid
Assay	Min 99%
Weight/ mL at 20°C	0.947 - 0.949 g/ml

Refractive index (20°C; 589 nm)	1.4295 - 1.4305
Water (H ₂ O)	Max 0.1%
Acidity or alkalinity	Max 0.002 meq/gm

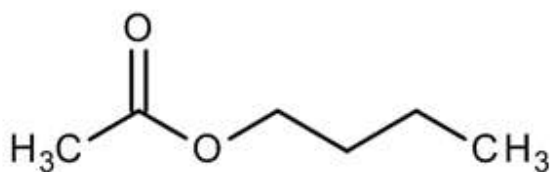
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 2265 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226-H312-H319-H332-H360D Precaution Statement: P201-P280-P305 + P351 + P338-P308 + P313

N-BUTYL ACETATE 99.5% AR

Butyl acetate; n-Butyl ester of acetic acid; Butyl ethanoate

Product Code.	00548	Grade	AR
Purity	99.5%	CAS No.	123-86-4
Molecular Formula	C6H12O2	Molecular Weight	116.16
H.S.Code	2915.33000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Mild, fruity odor
Melting point/ Freezing point [°C]	-78 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	23 °C
Boiling point [°C]	124 - 126 °C	Initial boiling point [°C]	124 °C	Final boiling point [°C]	126 °C
Evaporation rate	1	Vapour pressure [20°C]	15 @ 25C	Vapour density	4.01
Density [g/cm3]	0.8822	Relative density, gas (air=1)	0.88	Solubility in water [% weight]	0.7% @ 20C
Partition coefficient Log Pow octanol / water at 20°C	1.82	Explosion limits - upper [%]	7.60%	Explosion limits -lower [%]	1.70%

Packaging



Specification

Appearance	A clear, colorless liquid
Purity (by GC)	Min 99.5%
Weight/ mL at 20°C	0.880 - 0.882 g/ml
Refractive index (20°C; 589 nm)	1.394 - 1.395
Water (H2O)	Max 0.1%
Acidity (as CH3COOH)	Max 0.005%
Non volatile matter	Max 0.001%
Copper (Cu)	Max 0.0001%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.0001%

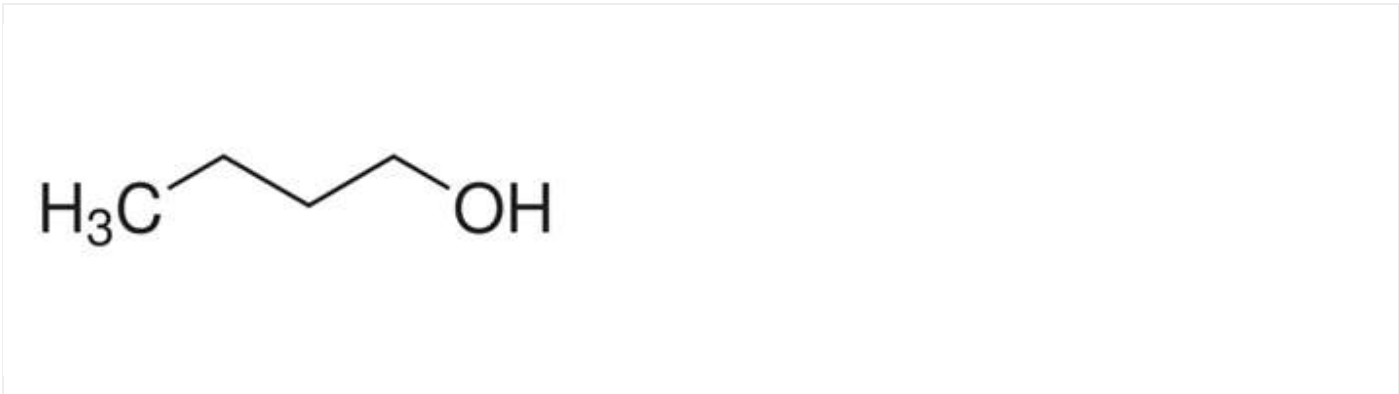
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Warning UN No.: 1123 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226-H336 Precaution Statement: P261

N-BUTYL ALCOHOL 99% (FOR MOLECULAR BIOLOGY)

n-Butanol, Butan-1-ol

Product Code.	00553	Grade	
Purity	99.5%	CAS No.	71-36-3
Molecular Formula	C4H10O	Molecular Weight	74.12
H.S.Code	2905.13000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Strong characteristic, mildly alcoholic odor
Melting point/ Freezing point [°C]	-90 °C	Auto-ignition temperature [°C]	343°C	Flammability (solid, gas)	Flammable
Flash point [°C]	35 °C	Boiling point [°C]	116 - 118 °C	Initial boiling point [°C]	116 °C
Final boiling point [°C]	118 °C	Evaporation rate	0.46	Vapour pressure [20°C]	5 hPa at 20 °C
Vapour density	2.56	Density [g/cm3]	0.81	Relative density, gas (air=1)	0.81
Solubility in water [% weight]	Soluble	Explosion limits - upper [%]	11.20%	Explosion limits -lower [%]	1.40%

Packaging



Specification

Appearance	A clear colorless liquid
Assay (GC area %)	Min 99.5%
Water (H ₂ O)	Max 0.1%
Acidity (as C ₄ H ₈ O ₂)	Max 0.0008 meq/gm
Non volatile matter	Max 0.003%
Aldehydes and ketones (as C ₃ H ₇ CHO)	Max 0.015%
Copper (Cu)	Max 0.0001%
Iron (Fe)	Max 0.0002%
Lead (Pb)	Max 0.0001%
Refractive index (20°C; 589 nm)	1.399-1.400
Insoluble matter in water	Passes test
Weight/ mL at 20°C	0.808 - 0.810 g

Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS07 Signal Word: Danger UN No.: 1120 IMCO Class No.: 3 Packing Group: III Hazardous Statement: H226-H302-H315-H318-H335-H336 Precaution Statement: P210-P280-P302+352-P305+351+338-P313 Risk Statement: 10-22-37/38-41-67 Safety Statement: 7/9-13-26-37/39-46

N-HEPTANE 99% AR

Normal Heptane; Dipropyl Methane; Heptyl Hydride

Product Code.	01335	Grade	AR
Purity	99%	CAS No.	142-82-5
Molecular Formula	C7H16	Molecular Weight	100.21
H.S.Code	2901.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	mild odor - gasoline-like
Melting point/ Freezing point [°C]	-91 °C	Auto-ignition temperature [°C]	223°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-4,0 °C	Boiling point [°C]	98 °C	Evaporation rate	2.8
Vapour pressure [20°C]	53.3 hPa at 20,0 °C	Vapour pressure mm/Hg	46 mm Hg @ 25 deg C	Vapour density	3.5
Density [g/cm3]	0.68	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	>3
Explosion limits - upper [%]	7%	Explosion limits -lower [%]	1.10%		

Packaging

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Specification

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

Density (d20°C/4°C)	0.683-0.686 g/ml
Refractive index (20°C; 589 nm)	1.387 - 1.388
Bromine number	Max. 0.5
Miscibility with chloroform & diethyl ether	Passes test
Water (by KF)	Max 0.02%
Acidity (as CH ₃ COOH)	Max 0.0005%
Alkalinity (as NH ₃)	Max 0.0001%
Non volatile matter	Max 0.001%
Sulphur compounds (CS ₂)	Max 0.0003%
Copper (Cu)	Max 0.00002%
Iron (Fe)	Max 0.00005%
Lead (Pb)	Max 0.00002%

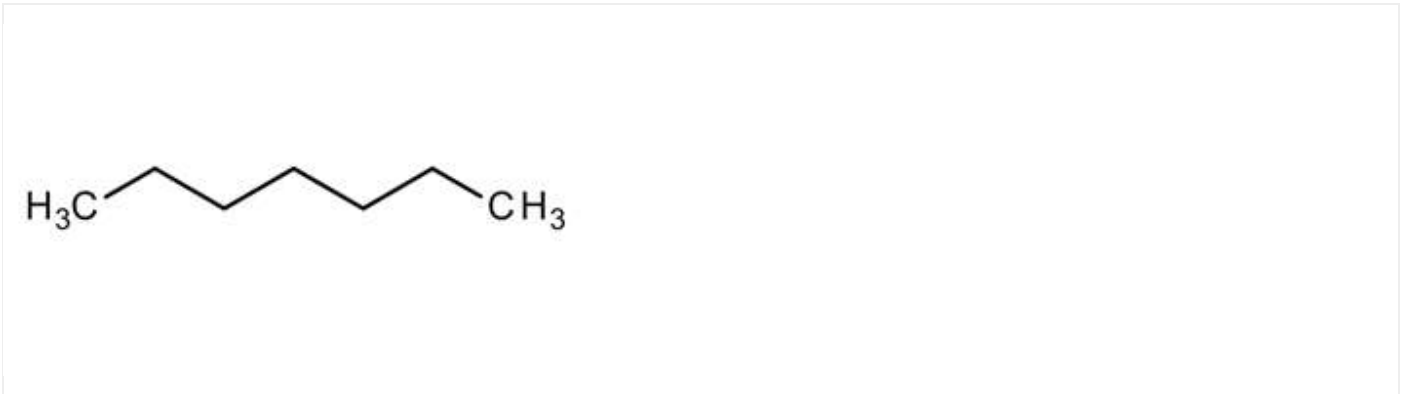
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1206 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H410 Precaution Statement: P210-P261-P273-P301 + P310-P331-P501

N-HEPTANE 99% FOR SYNTHESIS

Normal Heptane; Dipropyl Methane; Heptyl Hydride

Product Code.	01334	Grade	
Purity	99%	CAS No.	142-82-5
Molecular Formula	C7H16	Molecular Weight	100.21
H.S.Code	2901.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	mild odor - gasoline-like
Melting point/ Freezing point [°C]	-91 °C	Auto-ignition temperature [°C]	223°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-4,0 °C	Boiling point [°C]	98 °C	Evaporation rate	2.8
Vapour pressure [20°C]	53.3 hPa at 20,0 °C	Vapour pressure mm/Hg	46 mm Hg @ 25 deg C	Vapour density	3.5
Density [g/cm3]	0.68	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	>3
Explosion limits - upper [%]	7%	Explosion limits -lower [%]	1.10%		

Packaging

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Specification

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

Density (d20°C/4°C)	0.683 - 0.686
Refractive index (20°C; 589 nm)	1.387 - 1.388

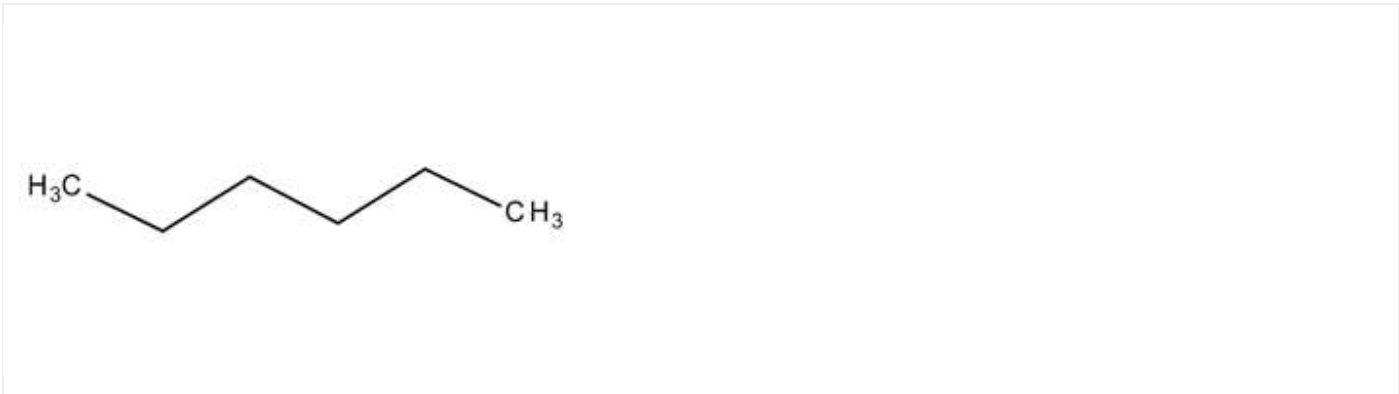
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1206 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H410 Precaution Statement: P210-P261-P273-P301 + P310-P331-P501

N-HEXANE 95% FOR SYNTHESIS

Hexane; Hexyl Hydride

Product Code.	01348	Grade	For Synthesis
Purity	95%	CAS No.	110-54-3
Molecular Formula	C6H14	Molecular Weight	86.18
H.S.Code	2901.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline-like
Melting point/ Freezing point [°C]	-95 °C	Auto-ignition temperature [°C]	225 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-23 °C	Boiling point [°C]	68 - 70 °C	Initial boiling point [°C]	68°C
Final boiling point [°C]	70 °C	Vapour pressure mm/Hg	151 mm Hg @ 25 deg C	Vapour density	2.97
Density [g/cm3]	0.678	Solubility in water [% weight]	Insoluble in water	Viscosity at 40°C [mm2/s]	0.31 mPas 20 deg C
Explosion limits - upper [%]	7.50%	Explosion limits -lower [%]	1.10%		

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 95%

Non volatile matter	Max 0.002%
Water (by KF)	Max 0.01%
Free alkali (as NH3)	Max 0.0005%

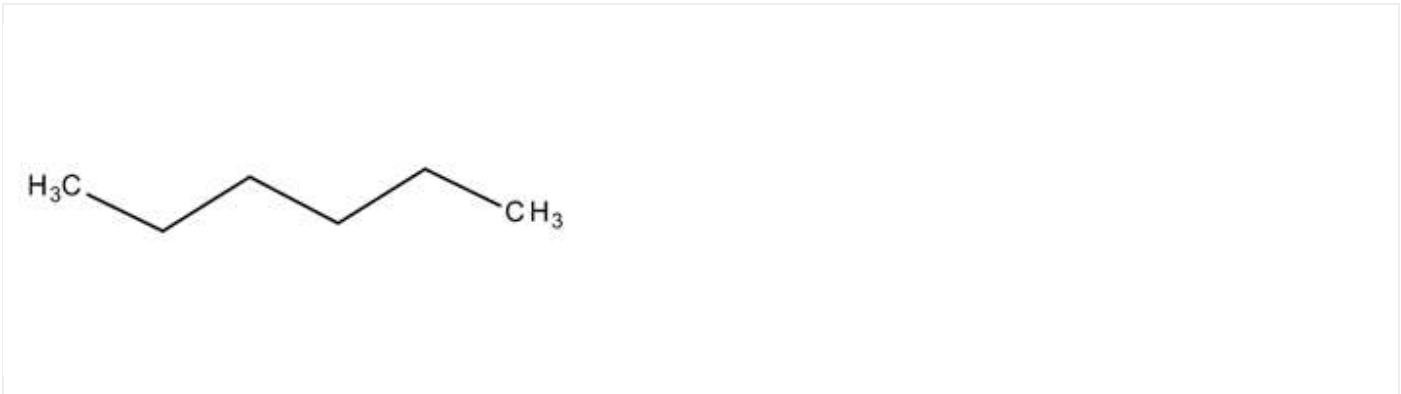
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1208 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H361f-H373-H411 Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

N-HEXANE 99% AR

Hexane; Hexyl Hydride;

Product Code.	01350	Grade	AR
Purity	99%	CAS No.	110-54-3
Molecular Formula	C6H14	Molecular Weight	86.18
H.S.Code	2901.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline-like
Melting point/ Freezing point [°C]	-95 °C	Auto-ignition temperature [°C]	225 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-23 °C	Boiling point [°C]	68 - 70 °C	Initial boiling point [°C]	68°C
Final boiling point [°C]	70 °C	Vapour pressure mm/Hg	151 mm Hg @ 25 deg C	Vapour density	2.97
Density [g/cm3]	0.678	Solubility in water [% weight]	Insoluble in water	Viscosity at 40°C [mm2/s]	0.31 mPas 20 deg C
Explosion limits - upper [%]	7.50%	Explosion limits -lower [%]	1.10%		

Packaging

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Specification

Appearance	A clear colorless liquid
Assay (by GC)	Min 99.0%

Weight/ mL at 20°C	0.658 - 0.659 g/ml
Water (H2O)	Max 0.05%
Non volatile matter	Max 0.001%
Acidity (as CH3COOH)	Max 0.001%
Alkalinity (as NH3)	Max 0.001%
Sulphur compounds (as CS2)	Max 0.0003%
Aromatic hydrocarbons (as C6H6)	Max 0.01%
Copper (Cu)	Max 0.00001%
Iron (Fe)	Max 0.00001%
Lead (Pb)	Max 0.00001%
Zinc (Zn)	Max 0.00001%
Substance darkened by H2SO4	Passes test

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1208 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H361f-H373-H411 Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

N-HEXANE 99% FOR HPLC & UV SPECTROSCOPY

Product Code.	1350A	Grade	HPLC/UV Spectroscopy
Purity	99%	CAS No.	110-54-3
Molecular Formula	C6H14	Molecular Weight	86.18
H.S.Code	2901.29900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline-like
Melting point/ Freezing point [°C]	-95 °C	Auto-ignition temperature [°C]	225 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-23 °C	Boiling point [°C]	68 - 70 °C	Initial boiling point [°C]	68°C
Final boiling point [°C]	70 °C	Vapour pressure mm/Hg	151 mm Hg @ 25 deg C	Vapour density	2.97
Density [g/cm3]	0.678	Solubility in water [% weight]	Insoluble in water	Viscosity at 40°C [mm2/s]	0.31 mPas 20 deg C
Explosion limits - upper [%]	7.50%	Explosion limits -lower [%]	1.10%		

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.0%
Non-volatile matter	Max 0.0005%
Acidity (as CH3COOH)	Max 0.001%
Water (H2O)	Max 0.01%
at 200 nm	1.00
at 210 nm	0.30
at 220 nm	0.10
at 230 nm	0.05

at 250 nm

0.01

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1208

IMCO Class No.: 3

Packing Group: II

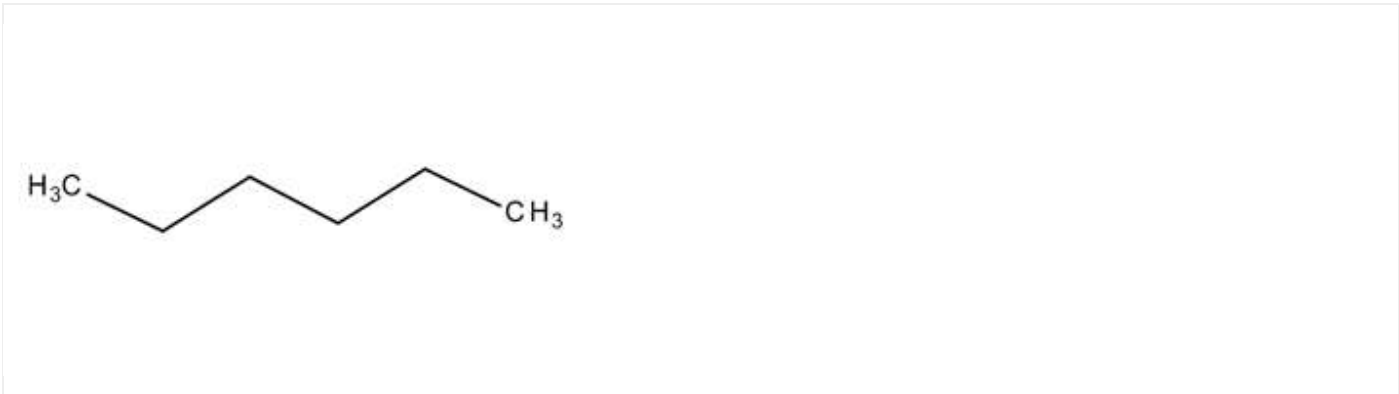
Hazardous Statement: H225-H304-H315-H336-H361f-H373-H411

Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

N-HEXANE 99% FOR SYNTHESIS

Hexane; Hexyl Hydride

Product Code.	01349	Grade	For Synthesis
Purity	99%	CAS No.	110-54-3
Molecular Formula	C6H14	Molecular Weight	86.18
H.S.Code	2901.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Gasoline-like
Melting point/ Freezing point [°C]	-95 °C	Auto-ignition temperature [°C]	225 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-23 °C	Boiling point [°C]	68 - 70 °C	Initial boiling point [°C]	68°C
Final boiling point [°C]	70 °C	Vapour pressure mm/Hg	151 mm Hg @ 25 deg C	Vapour density	2.97
Density [g/cm3]	0.678	Solubility in water [% weight]	Insoluble in water	Viscosity at 40°C [mm2/s]	0.31 mPas 20 deg C
Explosion limits - upper [%]	7.50%	Explosion limits -lower [%]	1.10%		

Packaging

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Specification

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

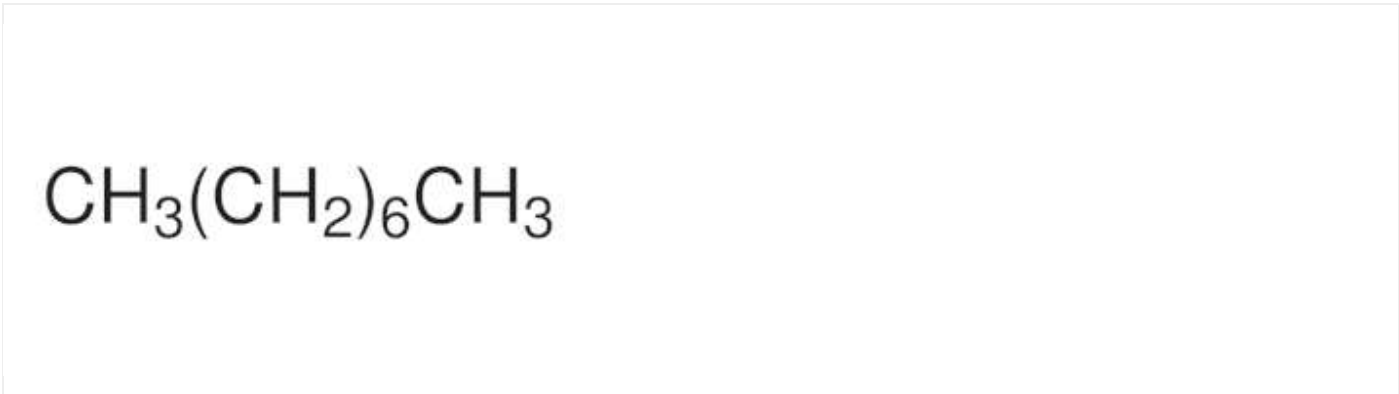
Weight/ mL at 20°C	0.658 - 0.659 g/ml
Refractive index (20°C; 589 nm)	1.374 - 1.376
Non volatile matter	Max 0.002%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1208 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H361f-H373-H411 Precaution Statement: P210-P261-P273-P281-P301 + P310-P331

N-OCTANE 98% FOR SYNTHESIS

Product Code.	01880	Grade	For Synthesis
Purity	98%	CAS No.	111-65-9
Molecular Formula	C8H18	Molecular Weight	114.23
H.S.Code	2901.10000	Shelf Life	60 Months



Physical Properties

Packaging

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Specification

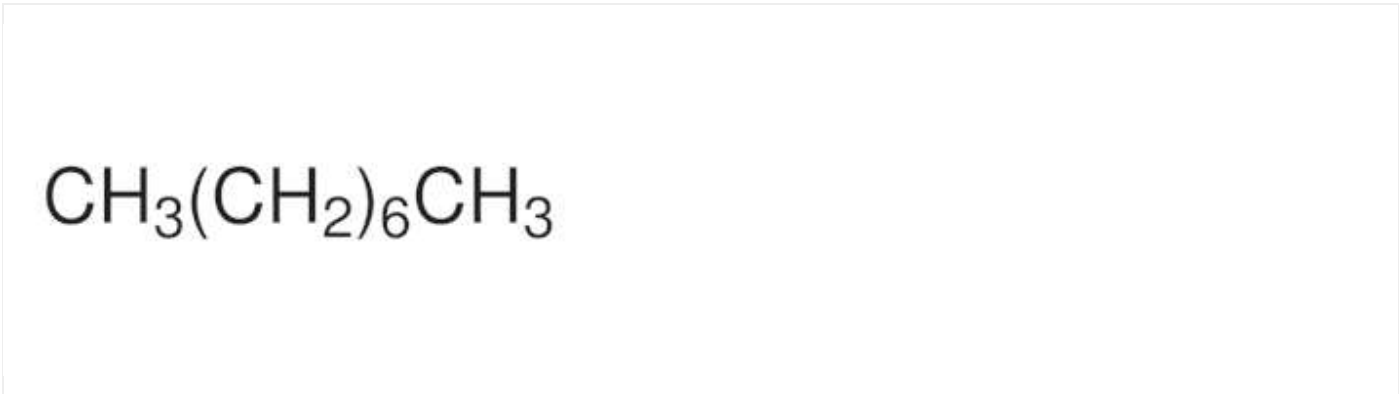
Appearance	Colorless liquid
Purity (by GC)	Min. 98.0%
Density (at 20°C)	0.702 - 0.703 g/mL

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1262 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H410 Precaution Statement: P210-P261-P273-P301 + P310-P331-P501

N-OCTANE 99% AR

Product Code.	01881	Grade	
Purity	99%	CAS No.	111-65-9
Molecular Formula	C8H18	Molecular Weight	114.23
H.S.Code	2901.10000	Shelf Life	60 Months



Specification

Appearance	Colorless liquid
Purity (by GC)	Min 99%
Colour scale	Max 10 APHA
Density (at 20°C)	0.702-0.703
Refractive index (20°C; 589 nm)	1.3960-1.400
Water (by KF)	Max 0.02%

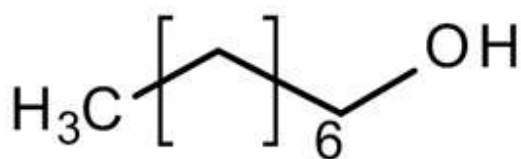
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1262 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H410 Precaution Statement: P210-P261-P273-P301 + P310-P331-P501

N-OCTANOL 99% FOR SYNTHESIS

1-Octanol, Capryl alcohol , 0n-octanol

Product Code.	01885	Grade	For Synthesis
Purity	99%	CAS No.	111-87-5
Molecular Formula	CH ₃ .(CH ₂) ₆ .CH ₂ OH	Molecular Weight	130.23
H.S.Code	2905.16900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Alcohol like
Melting point/ Freezing point [°C]	-15 °C	Auto-ignition temperature [°C]	273 °C	Flash point [°C]	80 °C
Boiling point [°C]	196 °C	Evaporation rate	0.007	Vapour pressure mm/Hg	0.19 mm Hg at 25 °C
Vapour density	4.5	Density [g/cm ³]	0.827	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	2.8 - 3.15	Explosion limits -lower [%]	0.80%		

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.0%
Identity (IR)	Passes test
Density (d _{20°C/4°C})	0.824 - 0.827 g/ml

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

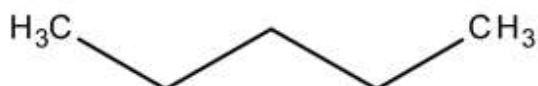
Hazardous Statement: H319-H412

Precaution Statement: P273-P305 + P351 + P338

N-PENTANE 99% AR

Amyl Hydrid

Product Code.	01944	Grade	
Purity	99%	CAS No.	109-66-0
Molecular Formula	C5H12	Molecular Weight	72.15
H.S.Code	2901.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	mild odor, gasoline-like, pleasant odor
Melting point/ Freezing point [°C]	-130 °C	Auto-ignition temperature [°C]	260°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-49°C	Boiling point [°C]	35 - 36 °C	Initial boiling point [°C]	35°C
Final boiling point [°C]	36 °C	Evaporation rate	28.6	Vapour pressure [20°C]	579 hPa at 20 °C
Vapour pressure mm/Hg	514 mm Hg @ 25 deg C	Vapour density	2.5	Density [g/cm3]	0.62
Solubility in water [% weight]	0.04% at 20°C	Partition coefficient Log Pow octanol / water at 20°C	3.39	Explosion limits - upper [%]	8.30%
Explosion limits -lower [%]	1.40%				

Specification

Appearance	A clear colorless liquid
Assay (GC area %)	Min 99%
Weight/ mL at 20°C	0.625 - 0.626 g
Bromine number	Max 0.5

Refractive index (20°C; 589 nm)	1.357 - 1.358
Water (H ₂ O)	Max 0.02%
Acidity (as C ₄ H ₉ COOH)	Max 0.001%
Non volatile matter	Max 0.002%
Sulphur compounds (as CS ₂)	Max 0.0003%
Copper (Cu)	Max 0.00002%
Iron (Fe)	Max 0.00005%
Lead (Pb)	Max 0.00002%
Substance darkened by H ₂ SO ₄	Passes test

Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1265 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H336-H411 Precaution Statement: P210-P261-P273-P301 + P310-P331

N-PENTANE 99% FOR HPLC/ SPECTROSCOPY

Product Code.	1944B	Grade	For HPLC/ Spectroscopy
Purity	99%	CAS No.	109-66-0
Molecular Formula	C5H12	Molecular Weight	72.15
H.S.Code	2901.29900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	mild odor,gasoline-like,pleasant odor
Melting point/ Freezing point [°C]	-130 °C	Auto-ignition temperature [°C]	260°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-49°C	Boiling point [°C]	35 - 36 °C	Initial boiling point [°C]	35°C
Final boiling point [°C]	36 °C	Evaporation rate	28.6	Vapour pressure [20°C]	579 hPa at 20 °C
Vapour pressure mm/Hg	514 mm Hg @ 25 deg C	Vapour density	2.5	Density [g/cm3]	0.62
Solubility in water [% weight]	0.04% at 20°C	Partition coefficient Log Pow octanol / water at 20°C	3.39	Explosion limits - upper [%]	8.30%
Explosion limits -lower [%]	1.40%				

Packaging



Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.0%
Non-volatile matter	Max 0.0005%
Acidity (as C4H9COOH)	Max 0.001%

Water (H ₂ O)	Max 0.01%
at 200 nm	1.00
at 210 nm	0.30
at 225 nm	0.10
at 235 nm	0.05
at 250 nm	0.01

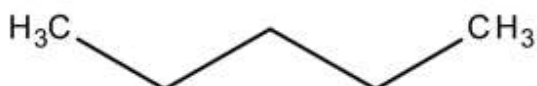
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 1265 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H336-H411 Precaution Statement: P210-P261-P273-P301 + P310-P331

N-PENTANE 99% FOR SYNTHESIS

Amyl Hydrid

Product Code.	01943	Grade	
Purity	99%	CAS No.	109-66-0
Molecular Formula	C5H12	Molecular Weight	72.15
H.S.Code	2901.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	mild odor,gasoline-like,pleasant odor
Melting point/ Freezing point [°C]	-130 °C	Auto-ignition temperature [°C]	260°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-49°C	Boiling point [°C]	35 - 36 °C	Initial boiling point [°C]	35°C
Final boiling point [°C]	36 °C	Evaporation rate	28.6	Vapour pressure [20°C]	579 hPa at 20 °C
Vapour pressure mm/Hg	514 mm Hg @ 25 deg C	Vapour density	2.5	Density [g/cm3]	0.62
Solubility in water [% weight]	0.04% at 20°C	Partition coefficient Log Pow octanol / water at 20°C	3.39	Explosion limits - upper [%]	8.30%
Explosion limits -lower [%]	1.40%				

Specification

Appearance	A clear colorless liquid
Assay	Min 99%
Weight/ mL at 20°C	0.625 - 0.627
Refractive index (20°C; 589 nm)	1.357 - 1.360

Non volatile matter

Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1265

IMCO Class No.: 3

Packing Group: II

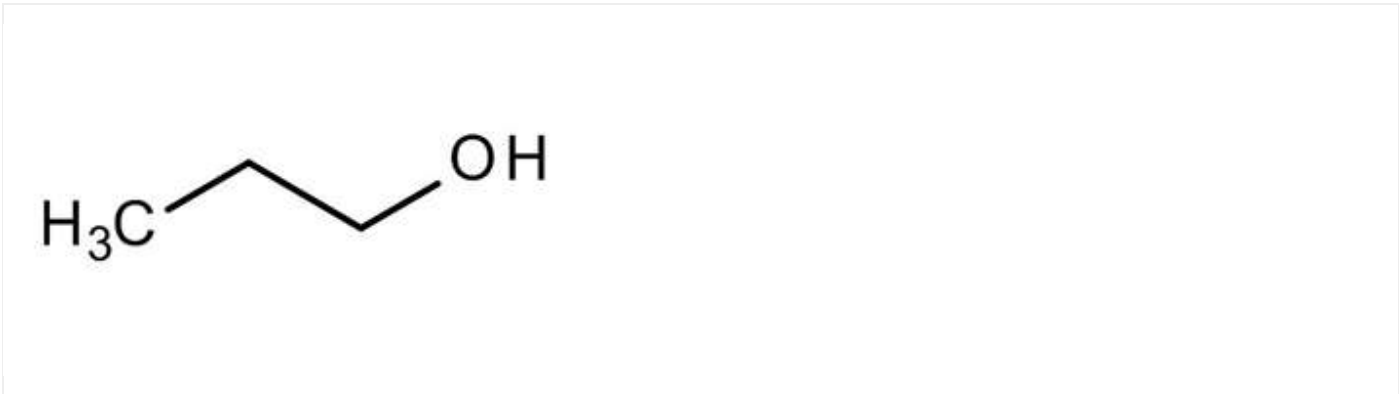
Hazardous Statement: H225-H304-H336-H411

Precaution Statement: P210-P261-P273-P301 + P310-P331

N-PROPYL ALCOHOL 99% FOR SYNTHESIS

1-Propanol, Propan-1-ol

Product Code.	02204	Grade	
Purity	99.00%	CAS No.	71-23-8
Molecular Formula	CH3.CH2.CH2OH	Molecular Weight	60.10
H.S.Code	2905.12100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Alcoholic odour
Melting point/ Freezing point [°C]	-127°C	Auto-ignition temperature [°C]	412°C	Flammability (solid, gas)	Flammable
Flash point [°C]	15°C	Boiling point [°C]	97°C	Evaporation rate	1.3
Vapour pressure [20°C]	33 mm Hg @ 20 °C	Vapour pressure mm/Hg	33 mm Hg @ 20 °C	Vapour density	2.1
Density [g/cm3]	0.804	Solubility in water [% weight]	Infinitely soluble	Viscosity at 40°C [mm2/s]	2.27 mPas at 20°C
Explosion limits - upper [%]	13.70%	Explosion limits -lower [%]	2.30%		

Packaging

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Specification

Appearance	Clear colourless liquid
Assay	Min 99%

Weight/ mL at 20°C	0.803 - 0.806
Refractive index (20°C; 589 nm)	1.384 - 1.386
Non volatile matter	Max 0.01%
Ethanol (C ₂ H ₅ OH)	Max 0.003%
Methanol (CH ₃ OH)	Max 0.01%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS07

Signal Word: Danger

UN No.: 1274

IMCO Class No.: 3

Packing Group: II

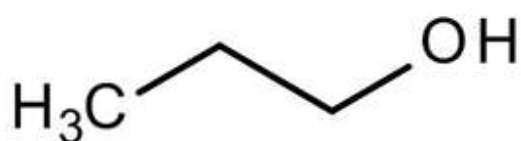
Hazardous Statement: H225-H318-H336

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

N-PROPYL ALCOHOL AR

1-Propanol, Propan-1-ol

Product Code.	02205	Grade	
Purity	99.5%	CAS No.	71-23-8
Molecular Formula	CH ₃ .CH ₂ .CH ₂ OH	Molecular Weight	60.10
H.S.Code	2905.12100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Alcoholic odour
Melting point/ Freezing point [°C]	-127°C	Auto-ignition temperature [°C]	412°C	Flammability (solid, gas)	Flammable
Flash point [°C]	15°C	Boiling point [°C]	97°C	Evaporation rate	1.3
Vapour pressure [20°C]	33 mm Hg @ 20 °C	Vapour pressure mm/Hg	33 mm Hg @ 20 °C	Vapour density	2.1
Density [g/cm ³]	0.804	Solubility in water [% weight]	Infinitely soluble	Viscosity at 40°C [mm ² /s]	2.27 mPas at 20°C
Explosion limits - upper [%]	13.70%	Explosion limits -lower [%]	2.30%		

Packaging



Specification

Appearance	Clear colourless liquid
Assay	Min 99.5%
Residue on evaporation	Max 0.004%
Density (at 25°C)	0.803 - 0.805 g/mL
Water (H ₂ O)	Max 0.2%
Copper (Cu)	Max 0.00002%
Iron (Fe)	Max 0.00005%
Nickel (Ni)	Max 0.00002%
Lead (Pb)	Max 0.00002%

Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS07 Signal Word: Danger UN No.: 1274 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H318-H336 Precaution Statement: P210-P261-P280-P305 + P351 + P338

N-TETRADECANE 99%

Product Code.	02644	Grade	
Purity	99%	CAS No.	629-59-4
Molecular Formula	C14H30	Molecular Weight	198.40
H.S.Code	2901.10000	Shelf Life	60 Months



Specification

Appearance	Clear Colorless liquid
Assay (GC area %)	Min 99.0%
Identity (IR)	Passes test
Density (at 25°C)	0.761-0.765 g/mL

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Danger

Hazardous Statement: H304-H336

Precaution Statement: P261-P301 + P310-P331

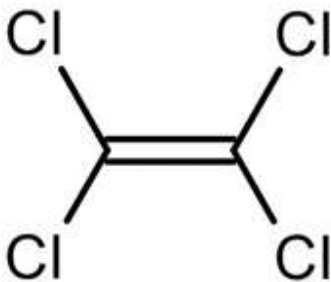
Risk Statement: 65-67

Safety Statement: 23-24-62

PERCHLOROETHYLENE 99.8% AR

PCE, tetrachloroethylene

Product Code.	01961	Grade	
Purity	99.8%	CAS No.	127-18-4
Molecular Formula	C2Cl4	Molecular Weight	165.85
H.S.Code	2903.23000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ethereal odor
Melting point/ Freezing point [°C]	-22 °C	Boiling point [°C]	121 °C	Evaporation rate	0.33
Vapour pressure [20°C]	17.3 hPa at 20°C	Vapour density	5.7	Density [g/cm3]	1.623
Solubility in water [% weight]	0.015 g in 100 g of water	Partition coefficient Log Pow octanol / water at 20°C	3.4		

Packaging

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Specification

Appearance	Clear colorless liquid
Assay	Min 99.8%
Weight/ mL at 20°C	1.621 - 1.623 g
Refractive index (20°C; 589 nm)	1.505 - 1.506
Non volatile matter	Max 0.001%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08, GHS09

Signal Word: Warning

UN No.: 1897

IMCO Class No.: 6.1

Packing Group: III

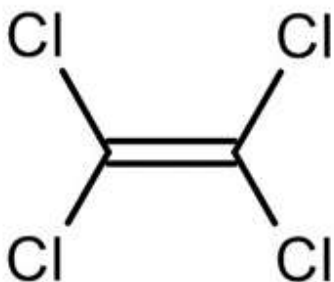
Hazardous Statement: H315-H351-H411

Precaution Statement: P273-P281

PERCHLOROETHYLENE 99% EXTRAPURE

PCE, ; tetrachloroethylene

Product Code.	01960	Grade	Extrapure
Purity	99%	CAS No.	127-18-4
Molecular Formula	C2Cl4	Molecular Weight	165.85
H.S.Code	2903.23000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ethereal odor
Melting point/ Freezing point [°C]	-22 °C	Boiling point [°C]	121 °C	Evaporation rate	0.33
Vapour pressure [20°C]	17.3 hPa at 20°C	Vapour density	5.7	Density [g/cm3]	1.623
Solubility in water [% weight]	0.015 g in 100 g of water	Partition coefficient Log Pow octanol / water at 20°C	3.4		

Packaging

Specification

Appearance	Clear colorless liquid
Purity (by GC)	Min 99.0%
Weight/ mL at 20°C	1.621 - 1.623 g/ml
Non-volatile matter	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08, GHS09

Signal Word: Warning

UN No.: 1897

IMCO Class No.: 6.1

Packing Group: III

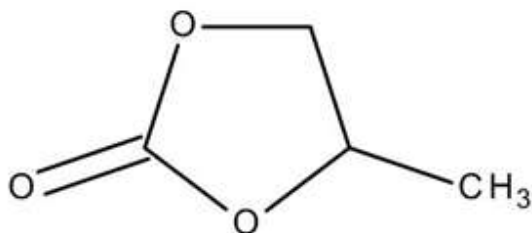
Hazardous Statement: H315-H351-H411

Precaution Statement: P273-P281

PROPYLENE CARBONATE 99% FOR SYNTHESIS

1,2-Propanediol cyclic carbonate; 4-Methyl-1,3-dioxolan-2-one

Product Code.	02211	Grade	For Synthesis
Purity	99%	CAS No.	108-32-7
Molecular Formula	C4H6O3	Molecular Weight	102.09
H.S.Code	2920.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Odorless
pH value	7 at 200 g/l at 20 °C	Melting point/ Freezing point [°C]	-55 °C	Auto-ignition temperature [°C]	510°C
Flash point [°C]	132 °C	Boiling point [°C]	240 °C	Vapour pressure [20°C]	0.17 hPa at 20 °C
Vapour density	3.52	Density [g/cm3]	1.189	Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	-0.48	Explosion limits - upper [%]	14.30%	Explosion limits -lower [%]	1.80%

Packaging

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Specification

Appearance	A clear colourless liquid
Purity (by GC)	Min 99%
Density (d20°C/4°C)	1.204 - 1.205

Identity (IR)

Conforms

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

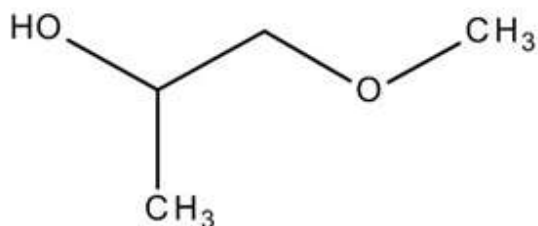
Hazardous Statement: H319

Precaution Statement: P305 + P351 + P338

PROPYLENE GLYCOL MONOMETHYL ETHER 98% FOR SYNTHESIS

1-Methoxy-2-propanol

Product Code.	02214	Grade	
Purity	98%	CAS No.	107-98-2
Molecular Formula	C ₄ H ₁₀ O ₂	Molecular Weight	90.12
H.S.Code	2909.49000	Shelf Life	60 Months



Specification

Appearance	Colourless liquid
Assay (GC area %)	Min 98%
Density (d ₂₀ °C/4°C)	0.920 - 0.922
Peroxide (as H ₂ O ₂)	Max 0.005%
2-methyl 1-propanol (GC)	Max 0.5%
Identity (IR)	Conforms

Safety Information and Hazard Symbols

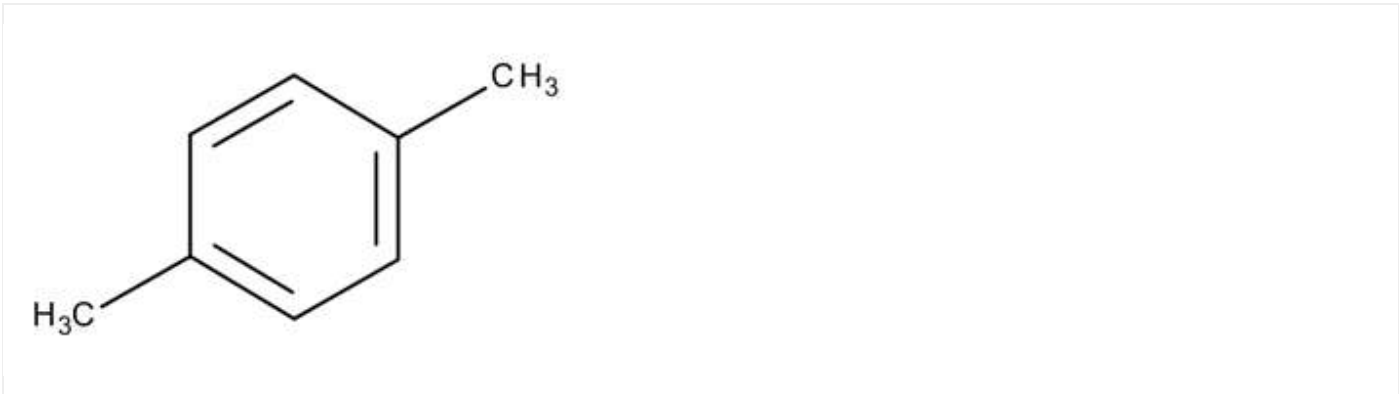


Symbol: GHS02, GHS07
Signal Word: Warning
UN No.: 3092
IMCO Class No.: 3
Packing Group: III
Hazardous Statement: H226-H336
Precaution Statement: P261

P-XYLENE 99% FOR SYNTHESIS

1,4-Dimethylbenzene

Product Code.	02851	Grade	For Synthesis
Purity	99%	CAS No.	106-42-3
Molecular Formula	C8H10	Molecular Weight	106.17
H.S.Code	2902.43000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Characteristic odour
Melting point/ Freezing point [°C]	12 - 15°C	Auto-ignition temperature [°C]	528°C	Flammability (solid, gas)	Flammable
Flash point [°C]	30 °C	Boiling point [°C]	138°C	Evaporation rate	0.7
Vapour pressure [20°C]	9 mm Hg @ 20°C	Vapour pressure mm/Hg	9 mm Hg @ 200C	Vapour density	3.7
Density [g/cm3]	0.86	Solubility in water [% weight]	Insoluble in water	Explosion limits - upper [%]	7%
Explosion limits -lower [%]	1.10%				

Packaging

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Specification

Appearance	Clear colorless to light yellow liquid
Assay	Min 99%
Density (d20°C/4°C)	0.860 - 0.862 g/ml

Refractive index (20°C; 589 nm)

1.1540 to 1.4960

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Warning

UN No.: 1307

IMCO Class No.: 3

Packing Group: III

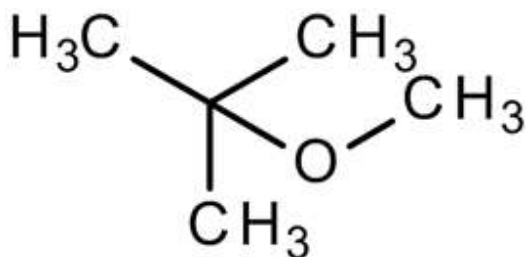
Hazardous Statement: H226-H312-H315-H332

Precaution Statement: P280

TERT-BUTYL METHYL ETHER 99.5% AR

MTBE; Methyl tert-butyl ether

Product Code.	00581	Grade	AR
Purity	99.5%	CAS No.	1634-04-4
Molecular Formula	C ₅ H ₁₂ O	Molecular Weight	88.15
H.S.Code	2909.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Characteristic ethereal odor
Melting point/ Freezing point [°C]	-110°C	Auto-ignition temperature [°C]	374 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	(-33.0 °C)	Boiling point [°C]	55 - 56 °C	Vapour pressure [20°C]	279.2 hPa at 20°C
Density [g/cm3]	0.74	Relative density, gas (air=1)	0.74 g/cm3 at 25 °C	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	1.77	Explosion limits - upper [%]	15.10%	Explosion limits -lower [%]	1.60%

Packaging



Specification

Appearance	Clear colorless liquid
Purity (by GC)	Min 99.5%
Identity (IR)	Passes test
Density (d20°C/4°C)	0.739 - 0.740
APHA colour	Max 10
Non volatile matter	Max 0.001%
Methanol (GC,area %)	Max 0.01%
2-Methyl-2-propanol (GC)	Max 0.05%
Acidity	Max 0.0005 meq/g
Alkalinity	Max 0.0002 meq/g
Peroxide (as H2O2)	Max 0.0001%
Water (H2O)	Max 0.03%

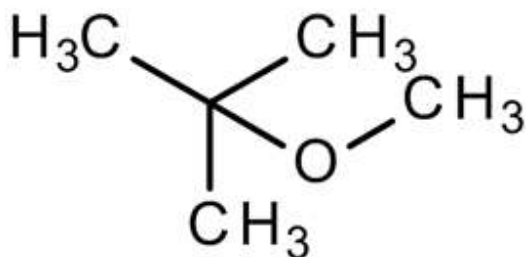
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 2398 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H315 Precaution Statement: P210

TERT-BUTYL METHYL ETHER 99% FOR SYNTHESIS

MTBE; Methyl tert-butyl ether

Product Code.	00580	Grade	
Purity	99%	CAS No.	1634-04-4
Molecular Formula	C ₅ H ₁₂ O	Molecular Weight	88.15
H.S.Code	2909.30900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Characteristic ethereal odor
Melting point/ Freezing point [°C]	-110°C	Auto-ignition temperature [°C]	374 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	(-33.0 °C)	Boiling point [°C]	55 - 56 °C	Vapour pressure [20°C]	279.2 hPa at 20°C
Density [g/cm ³]	0.74	Relative density, gas (air=1)	0.74 g/cm ³ at 25 °C	Solubility in water [% weight]	Insoluble in water
Partition coefficient Log Pow octanol / water at 20°C	1.77	Explosion limits - upper [%]	15.10%	Explosion limits -lower [%]	1.60%

Packaging



Specification

Appearance	Clear colorless liquid
Assay (GC area %)	Min 99%
Refractive index (20°C; 589 nm)	1.3756
Identity (IR)	Passes test
Free acid (as acetic acid)	Max 0.005%
Density (d20°C/4°C)	0.740 - 0.742
Peroxide (as H2O2)	Max 0.005%
Residue on evaporation	Max 0.005%
Water (H2O)	Max 0.05%

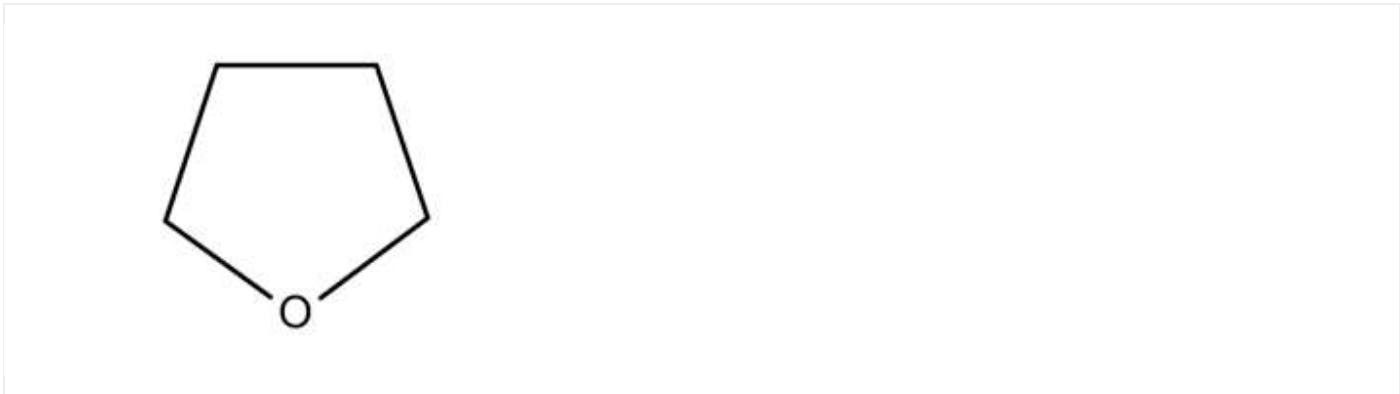
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 2398 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H315 Precaution Statement: P210

TETRAHYDROFURAN (STABILIZED) 99.5% FOR SYNTHESIS

(Stabilized with 0.1% quinol) THF; Butylene Oxide; Cyclotetramethylene oxide; 1,4-Epoxybutane

Product Code.	02651	Grade	
Purity	99%	CAS No.	109-99-9
Molecular Formula	C4H8O	Molecular Weight	72.11
H.S.Code	2932.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ether odor
pH value	7	Melting point/ Freezing point [°C]	-108 °C	Auto-ignition temperature [°C]	321 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	-17 °C	Boiling point [°C]	65 - 67 °C
Initial boiling point [°C]	65 °C	Final boiling point [°C]	67 °C	Vapour pressure [20°C]	190.7 hPa at 20°C
Vapour density	2.5	Density [g/cm3]	0.88	Solubility in water [% weight]	Soluble in water
Explosion limits - upper [%]	11.80%	Explosion limits -lower [%]	1.80%		

Packaging

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Specification

Appearance	A clear colorless liquid
Assay (GC area %)	Min 99%
Weight/ mL at 20°C	0.886 - 0.888 g

Refractive index (20°C; 589 nm)	1.407-1.409
Water (H2O)	Max 0.1%

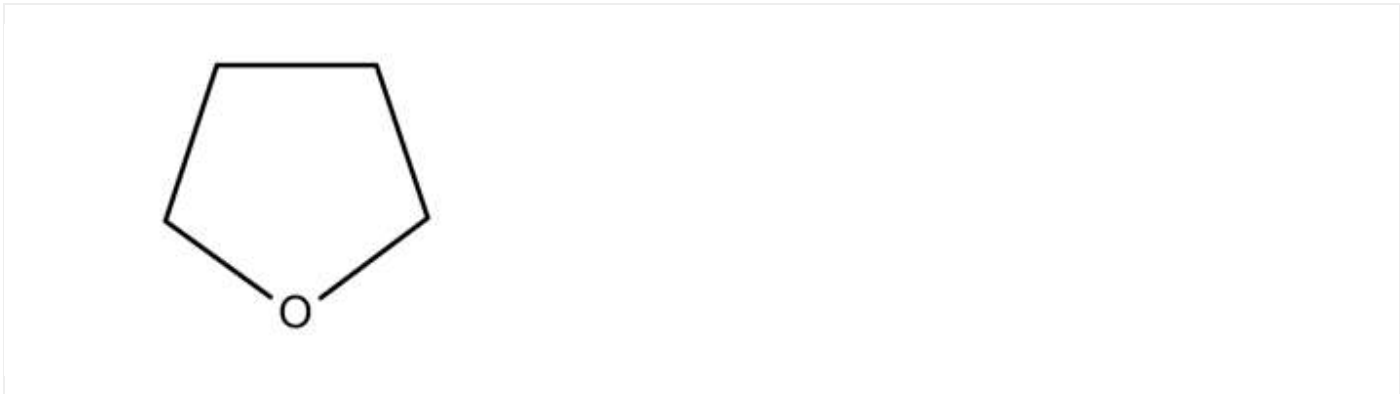
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 2056 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H319-H335 Precaution Statement: P210-P261-P305 + P351 + P338

TETRAHYDROFURAN 99.5% AR

(Stabilized) THF; Butylene Oxide; Cycлотetramethylene oxide; 1,4-Epoxybutane

Product Code.	02652	Grade	
Purity	99.5%	CAS No.	109-99-9
Molecular Formula	C4H8O	Molecular Weight	72.11
H.S.Code	2932.11000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ether odor
pH value	7	Melting point/ Freezing point [°C]	-108 °C	Auto-ignition temperature [°C]	321 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	-17 °C	Boiling point [°C]	65 - 67 °C
Initial boiling point [°C]	65 °C	Final boiling point [°C]	67 °C	Vapour pressure [20°C]	190.7 hPa at 20°C
Vapour density	2.5	Density [g/cm3]	0.88	Solubility in water [% weight]	Soluble in water
Explosion limits - upper [%]	11.80%	Explosion limits -lower [%]	1.80%		

Packaging

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Specification

Appearance	A clear colorless liquid
Assay (GC area %)	Min 99.5%
Free acid (as acetic acid)	Max 0.001%

Aluminium (Al)	Max 0.00005%
Barium (Ba)	Max 0.00001%
Boron (B)	Max 0.000002%
Cadmium (Cd)	Max 0.000005%
Calcium (Ca)	Max 0.00005%
Chromium (Cr)	Max 0.000002%
Cobalt (Co)	Max 0.000002%
Copper (Cu)	Max 0.000002%
Iron (Fe)	Max 0.00001%
Lead (Pb)	Max 0.00001%
Magnesium (Mg)	Max 0.00001%
Manganese (Mn)	Max 0.000002%
Nickel (Ni)	Max 0.000002%
Tin (Sn)	Max 0.00001%
Zinc (Zn)	Max 0.00001%
Peroxide (as H ₂ O ₂)	Max 0.015%
Non volatile matter	Max 0.001%
Water (H ₂ O)	Max 0.03%

Safety Information and Hazard Symbols

	
Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 2056 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H319-H335 Precaution Statement: P210-P261-P305 + P351 + P338	

TETRAHYDROFURAN, 99.5%, FOR ANALYSIS, STABILIZED

Product Code.	2652A	Grade	For Analysis
Purity	99.5%	CAS No.	109-99-9
Molecular Formula	C6H8O	Molecular Weight	72.11
H.S.Code	2932.11000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Ether odor
pH value	7	Melting point/ Freezing point [°C]	-108 °C	Auto-ignition temperature [°C]	321 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	-17 °C	Boiling point [°C]	65 - 67 °C
Initial boiling point [°C]	65 °C	Final boiling point [°C]	67 °C	Vapour pressure [20°C]	190.7 hPa at 20°C
Vapour density	2.5	Density [g/cm3]	0.88	Solubility in water [% weight]	Soluble in water
Explosion limits - upper [%]	11.80%	Explosion limits -lower [%]	1.80%		

Packaging

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Specification

Appearance (Color)	Clear colorless
Appearance (Form)	Liquid
Color scale	=<10 APHA
Infrared spectrum	Conforms
Refractive index	1.4060 to 1.4080 (20°C, 589 nm)
GC	>=99.4 %
Water	=<0.05 %
Peroxides	=<0.005 %
Acidity (CH3COOH)	=<0.001 %

Calcium (Ca)	=<0.5 ppm
Copper (Cu)	=<0.05 ppm
Cadmium (Cd)	=<0.05 ppm
Cobalt (Co)	=<0.05 ppm
Chromium (Cr)	=<0.05 ppm
Iron (Fe)	=<0.5 ppm
Magnesium (Mg)	=<0.5 ppm
Manganese (Mn)	=<0.05 ppm
Nickel (Ni)	=<0.02 ppm
Lead (Pb)	=<0.1 ppm
Zinc (Zn)	=<0.5 ppm
Stabilizer	0.025% BHT

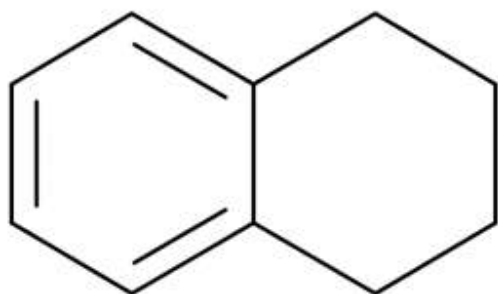
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07 Signal Word: Danger UN No.: 2056 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H319-H335 Precaution Statement: P210-P261-P305 + P351 + P338

TETRALIN 98% FOR SYNTHESIS

1,2,3,4-Tetrahydronaphthalene

Product Code.	02654	Grade	
Purity	98%	CAS No.	119-64-2
Molecular Formula	C10H12	Molecular Weight	132.21
H.S.Code	2902.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Melting point/ Freezing point [°C]	-35 °C
Auto-ignition temperature [°C]	385°C	Flash point [°C]	71°C	Boiling point [°C]	207 °C
Evaporation rate	<1	Vapour pressure mm/Hg	1 mm Hg @ 380C	Vapour density	4.55
Density [g/cm3]	0.97	Solubility in water [% weight]	Insoluble in water	Explosion limits - upper [%]	5%
Explosion limits -lower [%]	0.80%				

Specification

Appearance	Clear colourless to light yellow liquid
Assay	Min 98%
Density (d20°C/4°C)	0.967 - 0.969

Safety Information and Hazard Symbols

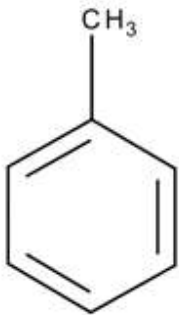


Symbol: GHS07, GHS09
Signal Word: Warning
UN No.: 3082
IMCO Class No.: 9
Packing Group: III
Hazardous Statement: H315-H319-H411
Precaution Statement: P273-P305 + P351 + P338

TOLUENE 99.5% AR

Methylbenzene

Product Code.	02724	Grade	
Purity	99.5%	CAS No.	108-88-3
Molecular Formula	C7H8	Molecular Weight	92.14
H.S.Code	2902.30000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Aromatic benzene-like
Melting point/ Freezing point [°C]	-93 °C	Auto-ignition temperature [°C]	535 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	4°C	Boiling point [°C]	110 - 111 °C	Initial boiling point [°C]	110 °C
Final boiling point [°C]	111 °C	Evaporation rate	2.24	Vapour pressure [20°C]	22 @ 2°C
Vapour pressure mm/Hg	22 @ 20C	Vapour density	3.14	Density [g/cm3]	0.86
Solubility in water [% weight]	0.05 gm/100gm water @ 20C	Explosion limits - upper [%]	7%	Explosion limits -lower [%]	1.20%

Packaging

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Specification

Appearance	A clear colorless liquid
Assay (GC area %)	Min 99.5%

Weight/ mL at 20°C	0.860 - 0.867 g
Refractive index (20°C; 589 nm)	1.494 - 1.497
Water (H2O)	Max 0.03%
Acidity	Max 0.012 ml N%
Alkalinity	Max 0.012 ml N%
Non volatile matter	Max 0.002%
Benzene (C6H6)	Max 0.2%
Copper (Cu)	Max 0.00005%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.00005%
Organic impurities	Passes acid wash test
Sulphur compounds (as CS2)	Max 0.0003%
Thiophen homologues (C4H4S)	Max 0.0002%

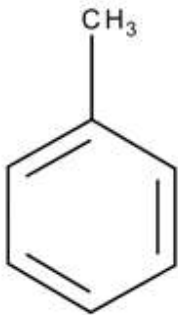
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1294 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H361d-H373 Precaution Statement: P210-P261-P281-P301 + P310-P331

TOLUENE RECTIFIED 99% FOR SYNTHESIS

Methylbenzene ; (rectified) (sulphur free)

Product Code.	02723	Grade	For Synthesis
Purity	99%	CAS No.	108-88-3
Molecular Formula	C7H8	Molecular Weight	92.14
H.S.Code	2902.30000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Aromatic benzene-like
Melting point/ Freezing point [°C]	-93 °C	Auto-ignition temperature [°C]	535 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	4°C	Boiling point [°C]	110 - 111 °C	Initial boiling point [°C]	110 °C
Final boiling point [°C]	111 °C	Evaporation rate	2.24	Vapour pressure [20°C]	22 @ 2°C
Vapour pressure mm/Hg	22 @ 20C	Vapour density	3.14	Density [g/cm3]	0.86
Solubility in water [% weight]	0.05 gm/100gm water @ 20C	Explosion limits - upper [%]	7%	Explosion limits -lower [%]	1.20%

Packaging

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Specification

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

Weight/ mL at 20°C	0.860 - 0.867 g/ml
Non volatile matter	Max 0.005%

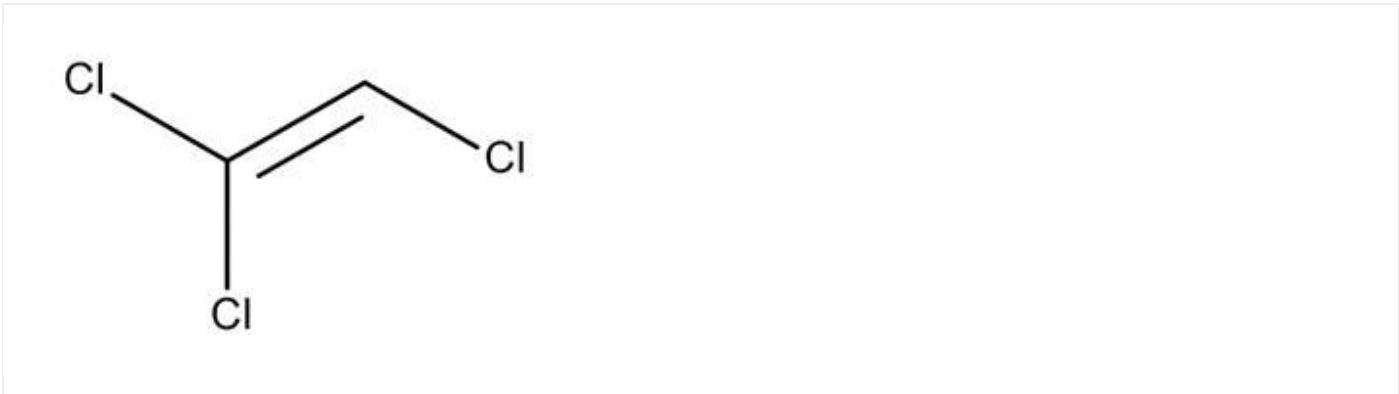
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1294 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H304-H315-H336-H361d-H373 Precaution Statement: P210-P261-P281-P301 + P310-P331

TRICHLOROETHYLENE 99.5% ELECTRONIC GRADE

TCE; Trichloroethene

Product Code.	02751	Grade	
Purity	99.5%	CAS No.	79-01-6
Molecular Formula	C2HCl3	Molecular Weight	131.79
H.S.Code	2903.22000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-84°C
Auto-ignition temperature [°C]	410°C	Boiling point [°C]	86.7 °C	Vapour pressure [20°C]	81.3 hPa at 20°C
Density [g/cm3]	1.463	Partition coefficient Log Pow octanol / water at 20°C	2.29	Explosion limits - upper [%]	10.50%
Explosion limits -lower [%]	8%				

Packaging

Specification

Appearance	Clear colorless liquid
Assay	Min 99.5%
Acidity (as HCl)	Max 0.0005%
Alkalinity (as NaOH)	Max 0.001%
Chloride (Cl)	Max 0.0005%

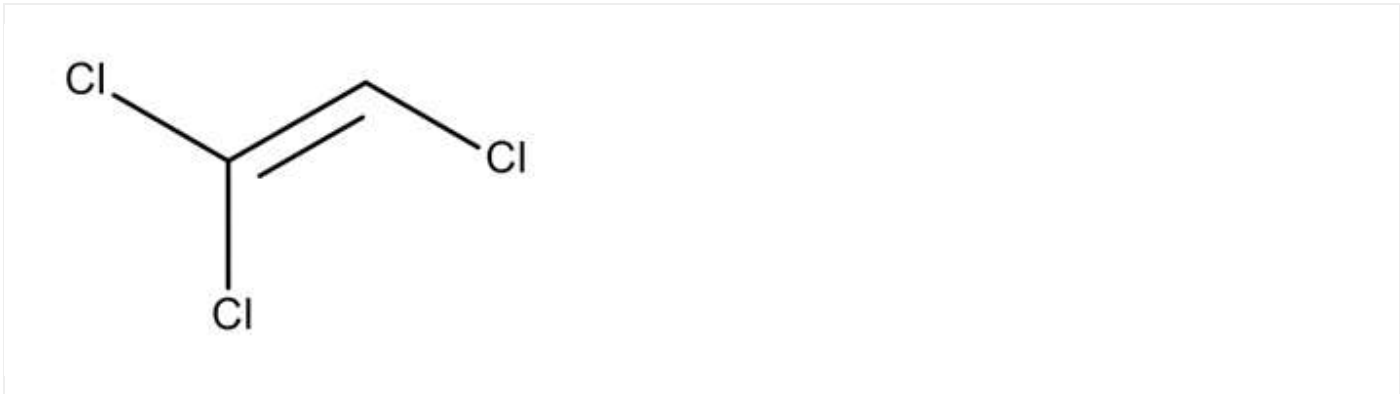
Copper (Cu)	Max 0.00001%
Iron (Fe)	Max 0.00001%
Lead (Pb)	Max 0.0001%
Nickel (Ni)	Max 0.00001%
Non volatile matter	Max 0.0005%
Resistivity (Megohm/cm)	Max 1%
Sulphate (SO4)	Max 0.0005%
Water (by KF)	Max 0.05%

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger UN No.: 1710 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H315-H319-H336-H341-H350-H412 Precaution Statement: P201-P261-P273-P281-P305 + P351 + P338-P308 + P313

TRICHLOROETHYLENE 99% EXTRAPURE
TCE, Trichloroethene

Product Code.	02750	Grade	
Purity	99%	CAS No.	79-01-6
Molecular Formula	CHCl:CCl2	Molecular Weight	131.39
H.S.Code	2903.22000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-84°C
Auto-ignition temperature [°C]	410°C	Boiling point [°C]	86.7 °C	Vapour pressure [20°C]	81.3 hPa at 20°C
Density [g/cm3]	1.463	Partition coefficient Log Pow octanol / water at 20°C	2.29	Explosion limits - upper [%]	10.50%
Explosion limits -lower [%]	8%				

Packaging

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Specification

Appearance	Clear colorless liquid
Assay	Min 99%
Weight/ mL at 20°C	1.462 - 1.466 g
Acidity	Max 0.2 ml N%
Non volatile matter	Max 0.004%

Free chlorine (Cl)

Max 0.001%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Danger

UN No.: 1710

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H315-H319-H336-H341-H350-H412

Precaution Statement: P201-P261-P273-P281-P305 + P351 + P338-P308 + P313

TRICHLOROETHYLENE 99+%, EXTRA PURE, STABILIZED

Product Code.	2750A	Grade	Extra Pure
Purity	99+%	CAS No.	79-01-6
Molecular Formula	C2HCl3	Molecular Weight	131.39
H.S.Code	2903.22000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-84°C
Auto-ignition temperature [°C]	410°C	Boiling point [°C]	86.7 °C	Vapour pressure [20°C]	81.3 hPa at 20°C
Density [g/cm3]	1.463	Partition coefficient Log Pow octanol / water at 20°C	2.29	Explosion limits - upper [%]	10.50%
Explosion limits -lower [%]	8%				

Specification

Appearance (Form)	Clear liquid
Color scale	≤15 APHA
Infrared spectrum	Conforms
Refractive index	1.4760 to 1.4780 (20°C, 589 nm)
GC	≥99.0 %
Water	≤0.015 % (Coulometric)
Residue after evaporation	≤0.002 %
Stabilizer	Stabilized

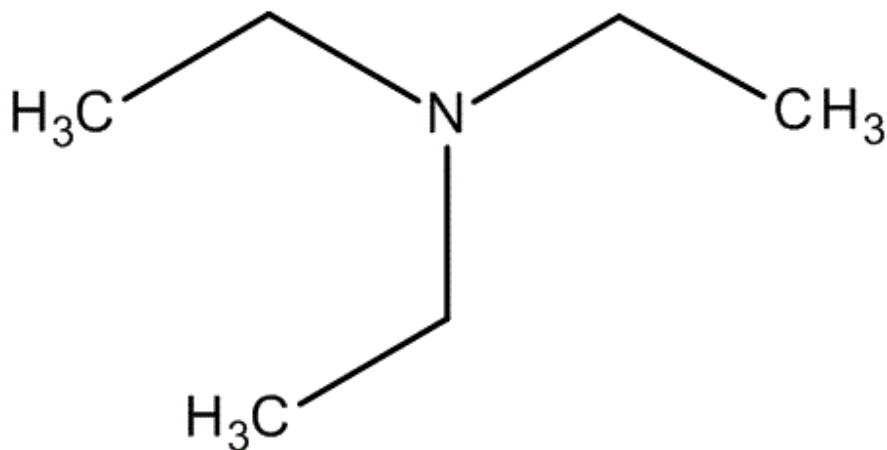
Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger UN No.: 1710 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H315-H319-H336-H341-H350-H412 Precaution Statement: P201-P261-P273-P281-P305 + P351 + P338-P308 + P313

TRIETHYLAMINE 99.5% AR

TEN; N,N-Diethylethanamine; (Diethylamino)ethane

Product Code.	02760	Grade	AR
Purity	99.5%	CAS No.	121-44-8
Molecular Formula	(C ₂ H ₅) ₃ N	Molecular Weight	101.19
H.S.Code	2921.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Strong ammonia-like odor
Melting point/ Freezing point [°C]	-115°C	Auto-ignition temperature [°C]	312 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-11°C	Boiling point [°C]	88.8 °C	Evaporation rate	5.6
Vapour pressure [20°C]	68.99 hPa at 20 °C	Vapour density	3.5	Density [g/cm3]	0.73
Solubility in water [% weight]	5.5 g./100 g. water @ 20C	Partition coefficient Log Pow octanol / water at 20°C	1.15	Explosion limits - upper [%]	8%
Explosion limits -lower [%]	1.20%				

Specification

Appearance	Clear colorless to yellowish liquid with ammonical odour
Assay	Min 99.5%

Weight/ mL at 20°C	0.727 g/ml
Colour scale	Max 15 APHA
Water (H2O)	Max 0.1%
Non volatile matter	Max 0.01%
Aluminium (Al)	Max 0.000005%
Barium (Ba)	Max 0.000002%
Cadmium (Cd)	Max 0.000002%
Calcium (Ca)	Max 0.00005%
Chromium (Cr)	Max 0.000002%
Cobalt (Co)	Max 0.000002%
Copper (Cu)	Max 0.000002%
Iron (Fe)	Max 0.00002%
Lead (Pb)	Max 0.000002%
Magnesium (Mg)	Max 0.000002%
Manganese (Mn)	Max 0.000002%
Nickel (Ni)	Max 0.000002%
Potassium (K)	Max 0.000005%
Sodium (Na)	Max 0.00005%
Strontium (Sr)	Max 0.000002%
Zinc (Zn)	Max 0.00001%

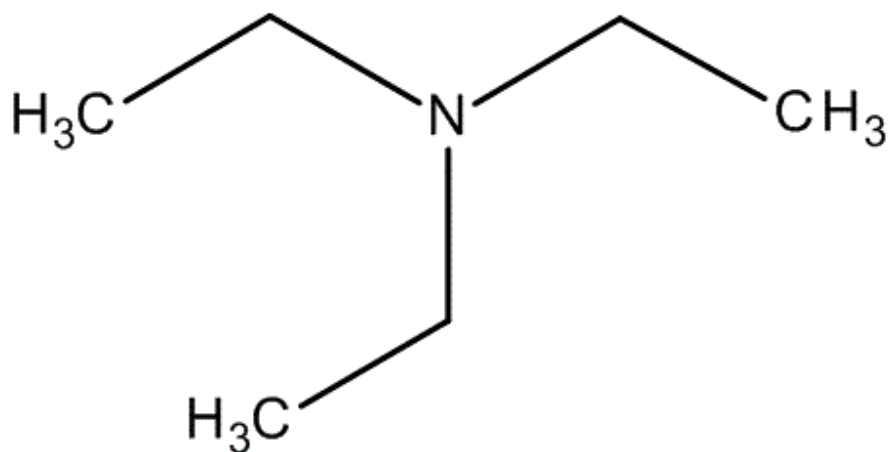
Safety Information and Hazard Symbols

	
Symbol: GHS02, GHS05, GHS07 Signal Word: Danger UN No.: 1296 IMCO Class No.: 3, 8 Packing Group: II Hazardous Statement: H225-H302-H312-H314-H332 Precaution Statement: P210-P280-P305 + P351 + P338-P310	

TRIETHYLAMINE 99% EXTRAPURE

TEN; N,N-Diethylethanamine; (Diethylamino)ethane

Product Code.	02759	Grade	Extrapure
Purity	99%	CAS No.	121-44-8
Molecular Formula	(C ₂ H ₅) ₃ N	Molecular Weight	101.19
H.S.Code	2921.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Strong ammonia-like odor
Melting point/ Freezing point [°C]	-115°C	Auto-ignition temperature [°C]	312 °C	Flammability (solid, gas)	Flammable
Flash point [°C]	-11°C	Boiling point [°C]	88.8 °C	Evaporation rate	5.6
Vapour pressure [20°C]	68.99 hPa at 20 °C	Vapour density	3.5	Density [g/cm ³]	0.73
Solubility in water [% weight]	5.5 g./100 g. water @ 20C	Partition coefficient Log Pow octanol / water at 20°C	1.15	Explosion limits - upper [%]	8%
Explosion limits -lower [%]	1.20%				

Packaging

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Specification

Appearance	Clear colorless to yellowish liquid with ammonical odour
Assay	Min. 99%
Weight/ mL at 20°C	0.725 - 0.728 g/ml
Refractive index (20°C; 589 nm)	1.400 - 1.402

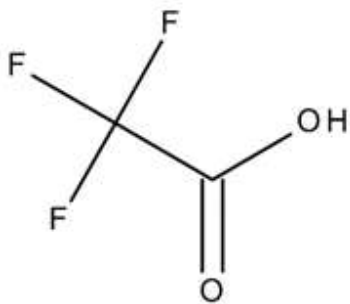
Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS07 Signal Word: Danger UN No.: 1296 IMCO Class No.: 3, 8 Packing Group: II Hazardous Statement: H225-H302-H312-H314-H332 Precaution Statement: P210-P280-P305 + P351 + P338-P310

TRIFLUOROACETIC ACID 98% EXTRAPURE

Hygroscopic 2,2,2-Trifluoroethanoic acid

Product Code.	02765	Grade	
Purity	98%	CAS No.	76-05-1
Molecular Formula	C2HF3O2	Molecular Weight	114.02
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Strong pungent odor
pH value	1	Melting point/ Freezing point [°C]	-15,4 °C	Boiling point [°C]	72.4 °C
Vapour pressure [20°C]	130 hPa at 20°C	Density [g/cm3]	1.489	Solubility in water [% weight]	Miscible in water
Partition coefficient Log Pow octanol / water at 20°C	2.1				

Packaging

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Specification

Appearance	A clear, colourless liquid
Assay (acidimetric)	Min 98%
Density (d20°C/4°C)	1.487 - 1.489
Refractive index (20°C; 589 nm)	1.2995-1.3005

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

UN No.: 2699

IMCO Class No.: 8

Packing Group: I

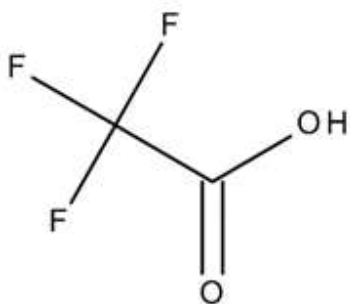
Hazardous Statement: H314-H332-H412

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

TRIFLUOROACETIC ACID 99.5% AR

TFA

Product Code.	02766	Grade	
Purity	99.5%	CAS No.	76-05-1
Molecular Formula	C2HF3O2	Molecular Weight	114.02
H.S.Code	2915.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Strong pungent odor
pH value	1	Melting point/ Freezing point [°C]	-15,4 °C	Boiling point [°C]	72.4 °C
Vapour pressure [20°C]	130 hPa at 20°C	Density [g/cm3]	1.489	Solubility in water [% weight]	Miscible in water
Partition coefficient Log Pow octanol / water at 20°C	2.1				

Packaging

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Specification

Appearance	A clear, colourless liquid
Assay	Min 99.5%
Water (by KF)	Max 0.1%
Residue on evaporation	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

UN No.: 2699

IMCO Class No.: 8

Packing Group: I

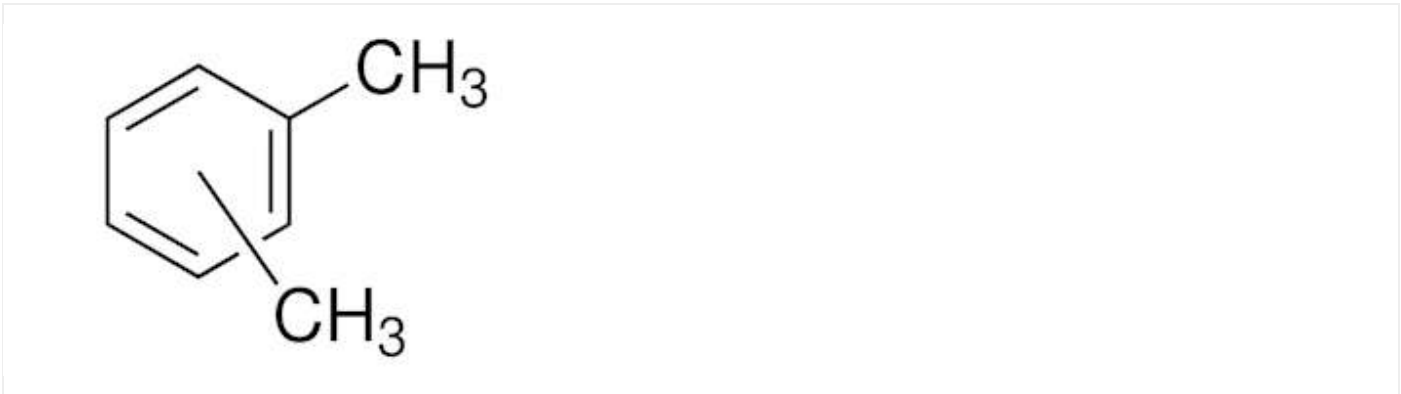
Hazardous Statement: H314-H332-H412

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

XYLENE 99.5% AR

XYLOL; DIMETHYLBENZENE; METHYL TOLUENE

Product Code.	02848	Grade	AR
Purity	99.5%	CAS No.	1330-20-7
Molecular Formula	C8H10	Molecular Weight	106.17
H.S.Code	2902.44000	Shelf Life	60 Months



Physical Properties

Packaging

Specification

Appearance	Clear colorless liquid
Purity (by GC)	Min 99.5%
Weight/ mL at 20°C	0.860 - 0.880 g
Water (H2O)	Max 0.03%
Acidity	Max 0.0003 meq/g
Alkalinity	Max 0.00025 meq/g
Non volatile matter	Max 0.002%
Benzene & toluene	Max 0.05%
Copper (Cu)	Max 0.00005%
Iron (Fe)	Max 0.0001%

Lead (Pb)	Max 0.00005%
Organic impurities	Passes acid wash test
Sulphur compounds (as CS ₂)	Max 0.0003%
Thiophen homologues (C ₄ H ₄ S)	Max 0.0002%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 1307

IMCO Class No.: 3

Packing Group: III

Hazardous Statement: H226-H304-H312 + H332-H315-H373-H412

Precaution Statement: P273-P280-P301 + P310-P331

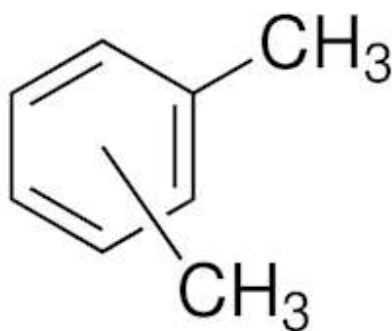
Risk Statement: 10-20/21-38-48/20-65

Safety Statement: 36/37-62

XYLENE LOW IN SULPHUR 98.5% FOR SYNTHESIS (MIX ISOMERS)

XYLOL; DIMETHYLBENZENE; METHYL TOLUENE ;(sulphur free) (xylol)

Product Code.	02847	Grade	For Synthesis
Purity	98.5%	CAS No.	1330-20-7
Molecular Formula	C8H10	Molecular Weight	106.17
H.S.Code	2902.44000	Shelf Life	60 Months



Specification

Appearance	Clear colorless liquid
Purity (by GC)	Min. 98.5%
Refractive index (20°C; 589 nm)	1.4950 - 1.510
Weight/ mL at 20°C	0.860 - 0.880 g/ml
Non volatile matter	Max. 0.01%
Sulphur compounds	Max. 0.001%

Safety Information and Hazard Symbols

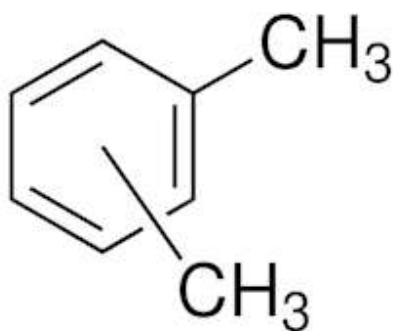


Symbol: GHS02, GHS07, GHS08
Signal Word: Danger
UN No.: 1307
IMCO Class No.: 3
Packing Group: III
Hazardous Statement: H226-H304-H312 + H332-H315-H373-H412
Precaution Statement: P273-P280-P301 + P310-P331
Risk Statement: 10-20/21-38-48/20-65
Safety Statement: 36/37-62

XYLENE RECTIFIED 98% EXTRAPURE

mixture of isomers ;(rectified) (xylol)

Product Code.	02846	Grade	Extrapure
Purity	98%	CAS No.	1330-20-7
Molecular Formula	C ₈ H ₁₀	Molecular Weight	106.17
H.S.Code	2902.44000	Shelf Life	60 Months



Specification

Appearance	Clear colorless liquid
Purity (by GC)	Min 98.0%
Refractive index (20°C; 589 nm)	1.4950 - 1.510
Weight/ mL at 20°C	0.860 – 0.880 g/ml
Non - volatile matter	Max.0.01%
Solution in alcohol	Clear

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07; GHS08

Signal Word: Danger

UN No.: 1307

IMCO Class No.: 3

Packing Group: III

Hazardous Statement: H226-H304-H312 + H332-H315-H373-H412

Precaution Statement: P273-P280-P301 + P310-P331

Risk Statement: 10-20/21-38-48/20-65

Safety Statement: 36/37-62

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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
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