

Алкилгалогениды

Технические характеристики

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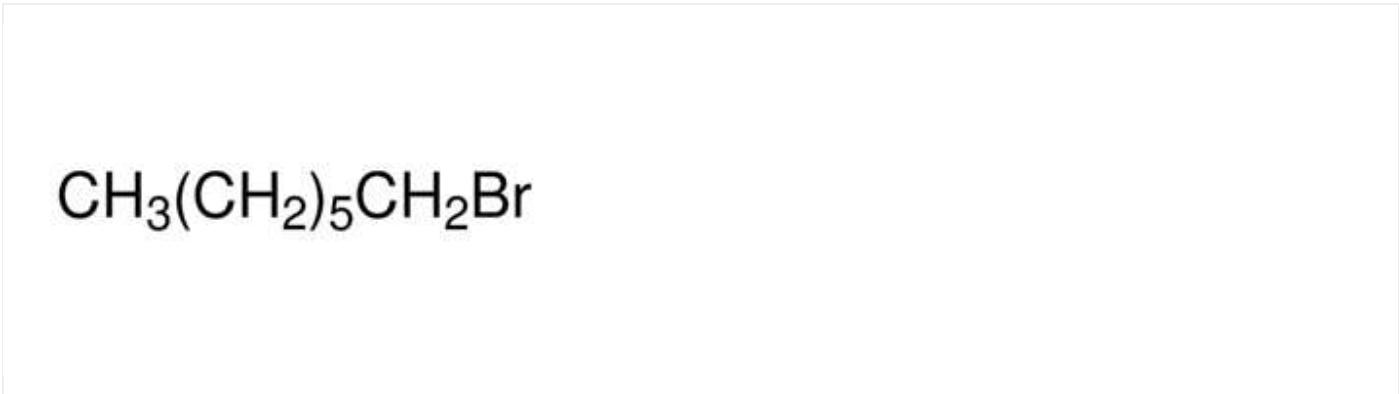
Киргизия +996(312)96-26-47

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

1- BROMOHEPTANE 99% FOR SYNTHESIS

n-Heptyl bromide

Product Code.	00505	Grade	
Purity	99%	CAS No.	629-04-9
Molecular Formula	CH3(CH2)6Br	Molecular Weight	179.10
H.S.Code	2903.39900	Shelf Life	60 Months



Physical Properties

Packaging



Specification

Appearance	Clear colorless solution
Assay	Min 99%
Density (at 20°C)	1.137 – 1.140
Refractive index (20°C; 589 nm)	1.450 – 1.451
Moisture (by KF)	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS02

Signal Word: Warning

UN No.: 1993

IMCO Class No.: 3

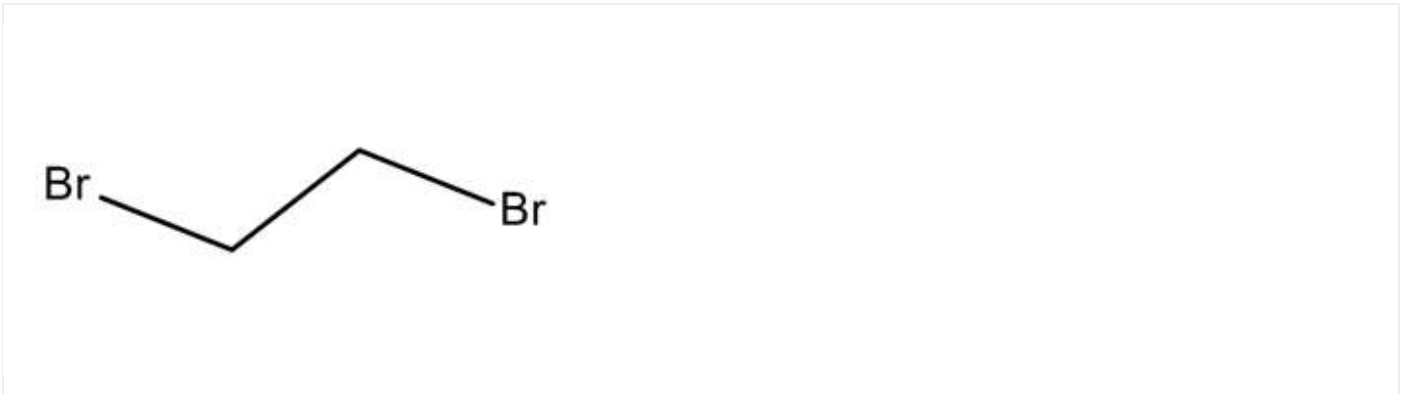
Packing Group: III

Hazardous Statement: H226

1,2-DIBROMOETHANE 99% FOR SYNTHESIS

Ethylene dibromide

Product Code.	00955	Grade	
Purity	99%	CAS No.	106-93-4
Molecular Formula	C2H4Br2	Molecular Weight	187.89
H.S.Code	2903.31000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Chloroform like
Odour threshold	10 ppm	Melting point/ Freezing point [°C]	8 - 11 °C	Boiling point [°C]	131 - 132 °C
Initial boiling point [°C]	131°C	Final boiling point [°C]	132 °C	Vapour pressure [20°C]	11 mm of Hg (@ 20°C)
Vapour pressure mm/Hg	11 mm of Hg (@ 20°C)	Vapour density	6.48	Density [g/cm3]	2.18
Solubility in water [% weight]	Very slightly soluble in cold water				

Packaging

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Specification

Appearance	A clear colorless to light yellow liquid
Assay (GC area %)	Min 99.0%

Density (d20°C/4°C)

2.175 - 2.180

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 1605

IMCO Class No.: 6.1

Packing Group: I

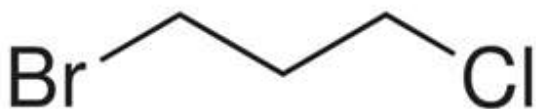
Hazardous Statement: H301-H311-H315-H319-H331-H335-H350-H411

Precaution Statement: P201-P261-P273-P280-P301 + P310-P305 + P351 + P338

1-BROMO -3-CHLOROPROPANE 99% FOR SYNTHESIS

Trimethylene Chlorobromide ;Trimethylene Bromochloride

Product Code.	00494	Grade	For Synthesis
Purity	99%	CAS No.	109-70-6
Molecular Formula	Cl(CH ₂) ₃ Br	Molecular Weight	157.44
H.S.Code	2903.39900	Shelf Life	60 Months



Physical Properties

Packaging



Specification

Appearance	Clear liquid
Purity (by GC)	Min 99.0%
Colour scale	Max 50 APHA
Density (d ₂₀ °C/4°C)	1.595-1.597 g/ml
Refractive index (20°C; 589 nm)	1.4850 to 1.4870
Identity (IR)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS02, GHS06

Signal Word: Danger

UN No.: 2688

IMCO Class No.: 6.1

Packing Group: III

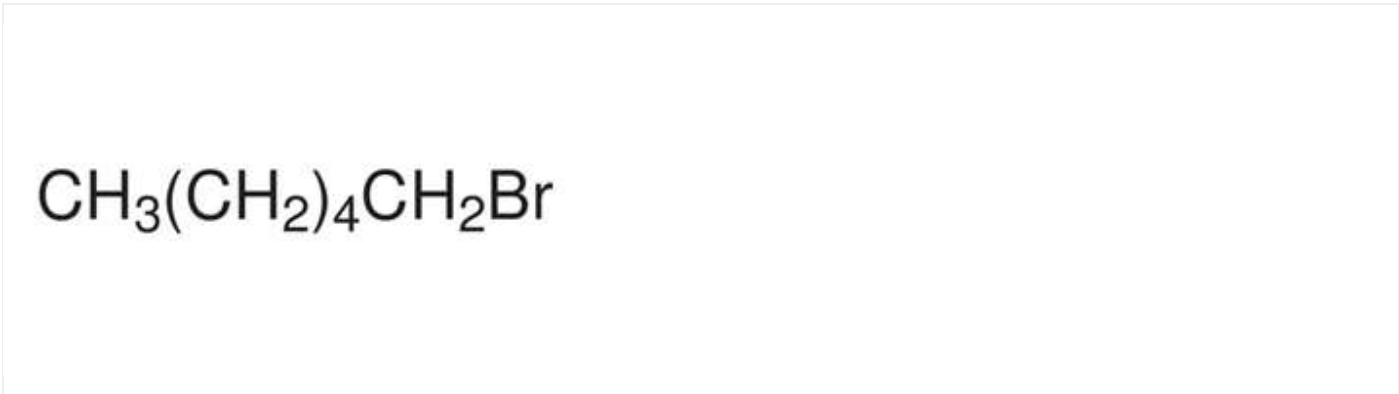
Hazardous Statement: H226-H302-H331

Precaution Statement: P261-P311

1-BROMOHEXANE 98% FOR SYNTHESIS

n-Hexyl Bromide

Product Code.	00506	Grade	
Purity	98%	CAS No.	111-25-1
Molecular Formula	C6H13Br	Molecular Weight	165.07
H.S.Code	2903.39900	Shelf Life	60 Months



Physical Properties

Packaging



Specification

Appearance	Light yellow clear liquid.
Assay (by GC)	Min 98%
Density (at 20°C)	1.174 – 1.176
Moisture (by KF)	Max. 0.1%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Warning

UN No.: 1993

IMCO Class No.: 3

Packing Group: III

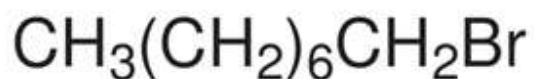
Hazardous Statement: H226-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

1-BROMOOCTANE 98% FOR SYNTHESIS

1-bromo octane

Product Code.	01886	Grade	For Synthesis
Purity	98%	CAS No.	111-83-1
Molecular Formula	CH ₃ (CH ₂) ₇ Br	Molecular Weight	193.12
H.S.Code	2903.39900	Shelf Life	60 Months



Specification

Appearance	Clear colorless to yellow-brown liquid
Assay	Min 98.0%
Density (at 20°C)	1.112 – 1.115 g/ml
Moisture (by KF)	Max 0.1%

Safety Information and Hazard Symbols

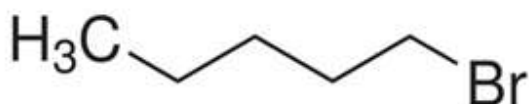


Symbol: GHS09
Signal Word: Warning
UN No.: 3082
IMCO Class No.: 9
Packing Group: III
Hazardous Statement: H400
Precaution Statement: P273

1-BROMOPENTANE 98% FOR SYNTHESIS

n-Amyl bromide ; N-Pentyl Bromide

Product Code.	00508	Grade	
Purity	98%	CAS No.	110-53-2
Molecular Formula	CH ₃ (CH ₂) ₄ Br	Molecular Weight	151.04
H.S.Code	2903.39900	Shelf Life	60 Months



Packaging



Specification

Appearance	Colorless to light yellow liquid.
Assay (GC area %)	Min. 98.0%
Density (at 25°C)	1.215 -1.218 g/mL

Safety Information and Hazard Symbols

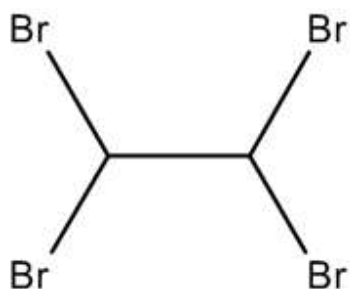


Symbol: GHS02, GHS07
Signal Word: Warning
UN No.: 1993
IMCO Class No.: 3
Packing Group: III
Hazardous Statement: H226-H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

ACETYLENE TETRABROMIDE 98% EXTRAPURE

1,1,2,2-TETRABROMO ETHANE

Product Code.	00048	Grade	
Purity	98%	CAS No.	79-27-6
Molecular Formula	C ₂ H ₂ Br ₄	Molecular Weight	345.67
H.S.Code	2903.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Colorless to yellowish liquid	Odour	Sweet pungent odor
Melting point/ Freezing point [°C]	- 1 °C	Auto-ignition temperature [°C]	335°C	Boiling point [°C]	119 °C
Evaporation rate	>1.0	Vapour pressure [20°C]	0.1 hPa at 20 °C	Vapour density	11.9
Density [g/cm ³]	2.967	Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	1.98

Packaging



Specification

Appearance	Pale yellow colored, heavy liquid with fuming.
Assay	Min. 98.0%

Density (d20°C/4°C)	2.963 - 2.967
Water (H2O)	Max. 0.05%

Safety Information and Hazard Symbols


Symbol: GHS06 Signal Word: Danger UN No.: 2504 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H319-H330-H412 Precaution Statement: P260-P273-P284-P305 + P351 + P338-P310

BENZYL CHLORIDE 99.5+%, EXTRAPURE, STABILIZED

Product Code.	0400A	Grade	Extrapure
Purity	99.5%	CAS No.	100-44-7
Molecular Formula	C6H5.CH2Cl	Molecular Weight	126.59
H.S.Code	2903.99400	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Pungent odour
Melting point/ Freezing point [°C]	-43 °C	Auto-ignition temperature [°C]	627°C	Flash point [°C]	67°C
Boiling point [°C]	177 - 181 °C	Initial boiling point [°C]	177 °C	Final boiling point [°C]	181 °C
Vapour pressure [20°C]	1.6 @ 2°C	Vapour pressure mm/Hg	1.6 mm Hg @ 20C	Vapour density	4.36
Density [g/cm3]	1.1	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance (Form)	Clear liquid
Color scale	Max 20 APHA
Infrared spectrum	Conforms
Purity (by GC)	Min 99.50%
Refractive index	1.5370 to 1.5390 (20°C, 589 nm)
Stabilizer	0.25% propylene oxide

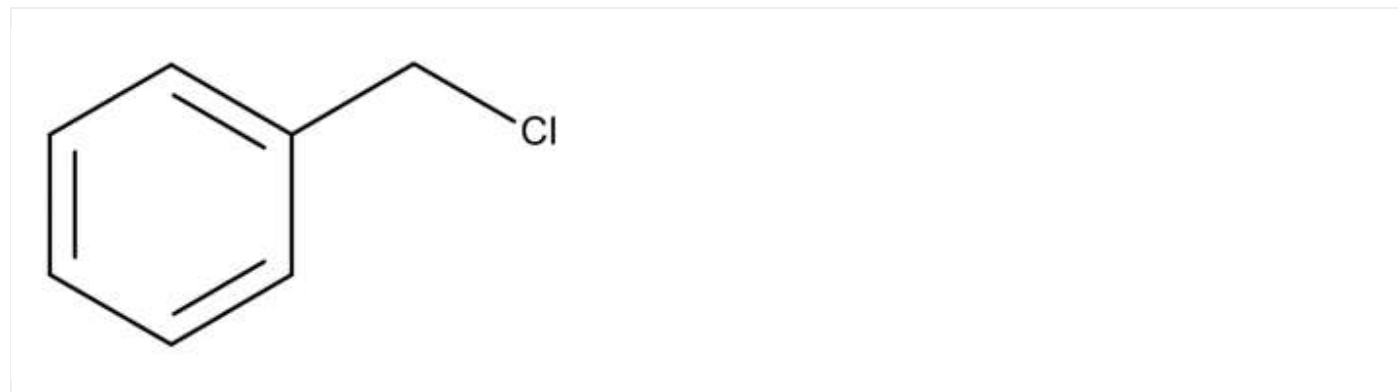
Safety Information and Hazard Symbols


Symbol: GHS02, GHS05, GHS06, GHS08 Signal Word: Danger UN No.: 1738 IMCO Class No.: 6.1,8 Packing Group: II Hazardous Statement: H226-H302-H315-H318-H330-H335-H340-H350-H373 Precaution Statement: P201-P260-P280-P284-P305 + P351 + P338-P310

BENZYL CHLORIDE 99% EXTRAPURE

Benzenecarbonyl chloride; Benzoic acid chloride; alpha-Chloroenzaldehyde

Product Code.	00400	Grade	
Purity	98.5%	CAS No.	100-44-7
Molecular Formula	C6H5.CH2Cl	Molecular Weight	126.59
H.S.Code	2903.99400	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Pungent odour
Melting point/ Freezing point [°C]	-43 °C	Auto-ignition temperature [°C]	627°C	Flash point [°C]	67°C
Boiling point [°C]	177 - 181 °C	Initial boiling point [°C]	177 °C	Final boiling point [°C]	181 °C
Vapour pressure [20°C]	1.6 @ 2°C	Vapour pressure mm/Hg	1.6 mm Hg @ 20C	Vapour density	4.36
Density [g/cm3]	1.1	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Clear colourless to light yellow liquid
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Assay (GC area %)	Min 98.5%
Acidity	Max 0.2 ml N%
Non volatile matter	Max 0.05%
Weight/ mL at 20°C	1.097 - 1.101 g

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS06, GHS08

Signal Word: Danger

UN No.: 1738

IMCO Class No.: 6.1,8

Packing Group: II

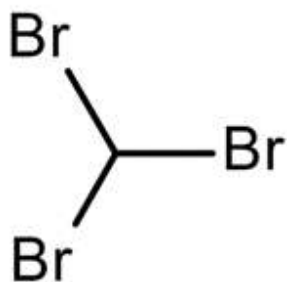
Hazardous Statement: H226-H302-H315-H318-H330-H335-H340-H350-H373

Precaution Statement: P201-P260-P280-P284-P305 + P351 + P338-P310

BROMOFORM 98% EXTRAPURE

(Stabilized) Tribromomethane

Product Code.	00504	Grade	=
Purity	98%	CAS No.	75-25-2
Molecular Formula	CHBr3	Molecular Weight	252.73
H.S.Code	2903.99900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Chloroform-like odor
Melting point/ Freezing point [°C]	5 - 8 °C	Boiling point [°C]	146 - 150 °C	Initial boiling point [°C]	146°C
Final boiling point [°C]	150 °C	Vapour pressure [20°C]	6.7 hPa at 20°C	Vapour density	8.7
Density [g/cm3]	2.89	Solubility in water [% weight]	0.3 gm/100 ml water		

Packaging



Specification

Appearance	Clear colorless to yellow to light orange liquid
Assay (GC area %)	Min 98% (excluding stabilizer)

Density (at 25°C)	2.870 - 2.890 g/mL
Refractive index (20°C; 589 nm)	1.5965 - 1.5980
Stabilizer	About 3.0% ethanol

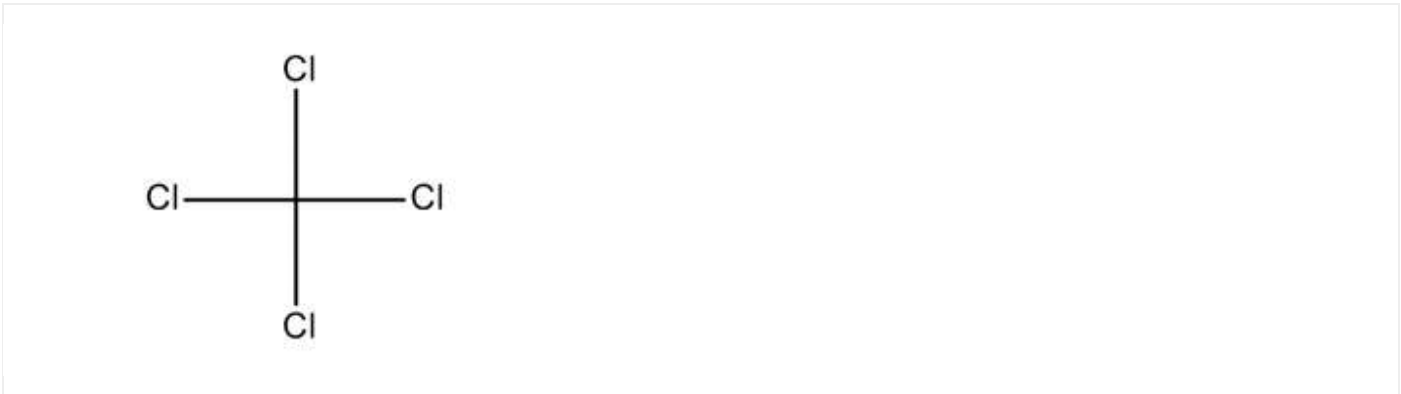
Safety Information and Hazard Symbols

 
Symbol: GHS06, GHS09 Signal Word: Danger UN No.: 2515 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H302-H315-H319-H331-H411 Precaution Statement: P261-P273-P305 + P351 + P338-P311

CARBON TETRA CHLORIDE 99.5% AR

Tetrachloromethane

Product Code.	00686	Grade	
Purity	99.5%	CAS No.	56-23-5
Molecular Formula	CCl4	Molecular Weight	153.82
H.S.Code	2903.14000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	chloroform-like
Melting point/ Freezing point [°C]	-23 °C	Decomposition point [°C]	100°C	Boiling point [°C]	76 - 77 °C
Initial boiling point [°C]	76°C	Final boiling point [°C]	77 °C	Evaporation rate	12.8
Vapour pressure [20°C]	121.3 hPa at 20°C	Vapour density	5.31	Density [g/cm3]	1.59
Solubility in water [% weight]	Insoluble	Partition coefficient Log Pow octanol / water at 20°C	2.83	Viscosity at 40°C [mm2/s]	0.97 PAS 20 °C

Packaging

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Specification

Appearance	A clear colorless liquid
Assay (GC area %)	Min 99.5%
Weight/ mL at 20°C	1.592 - 1.595 g
Refractive index (20°C; 589 nm)	1.460 - 1.461

Water (H ₂ O)	Max 0.02%
Acidity (as HCl)	Max 0.0005%
Non volatile matter	Max 0.001%
Ionised chloride (Cl)	Max 0.00006%
Free chlorine (Cl)	Max 0.00001%
Reaction against H ₂ SO ₄	Passes test
Carbon disulphide (CS ₂)	Max 0.0005%
Iodine reducing substances (I)	Max 0.0016%

Safety Information and Hazard Symbols

 
Symbol: GHS06, GHS08 Signal Word: Danger UN No.: 1846 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H301-H311-H331-H351-H372-H412 Precaution Statement: P261-P273-P280-P301 + P310-P311-P501

CARBON TETRA CHLORIDE 99% EXTRAPURE

Product Code.	00685	Grade	Extrapure
Purity	99%	CAS No.	56-23-5
Molecular Formula	CCl4	Molecular Weight	162.15
H.S.Code	29332990.00000	Shelf Life	5 Years

Physical Properties

Physical state at 20 deg C	Liquid	Color	Clear Colorless	Odor	Chloroform Like
Melting Point / Freezing point deg C	-23 deg C	Initial Boiling Point Deg C	76 deg C	Vapour Pressure	121.3hPa at 20 deg C
Solubility in water	Insoluble	Decomposition point	100 deg C	Final Boiling Point deg C	76-77 deg C
Vapur Density	5.31	Partition coefficient Log Pow octanol/water at 20 deg C	2.83	Evaporation rate	12.8
Density (g/cm3)	1.59	Viscocity at 40 deg C	0.97 PAS 20 deg C		

Packaging



Specification

Appearance	A Clear colorless Liquid
Purity (by GC)	Min 99.0%
Free Acid (asHCl)	Max 0.001%
Chlorine	Max 0.00003%
Density (d20°C/4°C)	1.593-1.595 g/ml
Chloride	Man 0.0001%

Non Volatile matter	Max 0.002%
Water (H2O)	Max 0.02%
Carbon disulphide (C2S)	Max 0.0005%

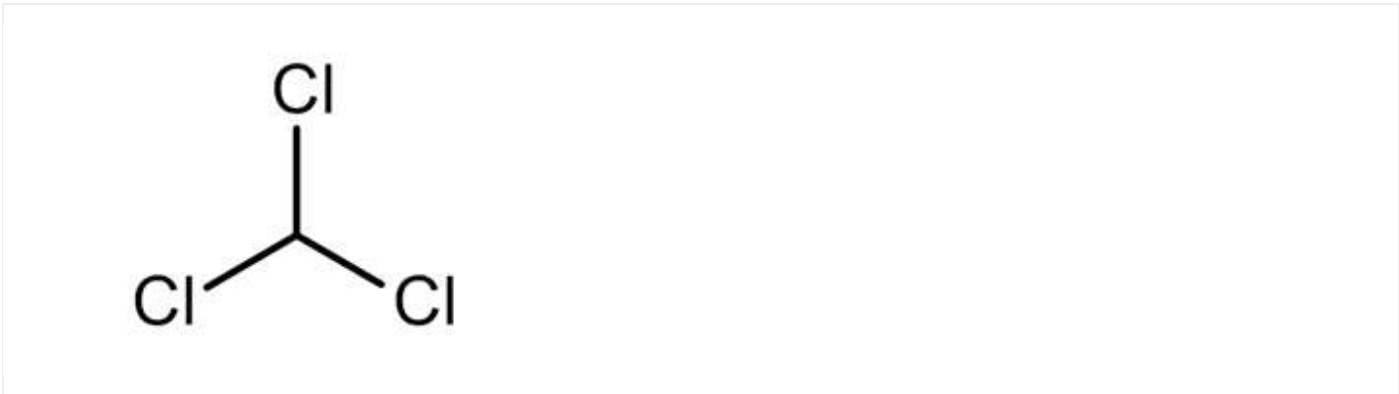
Safety Information and Hazard Symbols


Signal Word : Danger UN No. 1846 IMCO Class No. 6.1 Packing Group II Hazard Statement H301-H311-H311-H351-H372-H412 Precaution Statement P261-P273-P280-P301+P310-P311-P501

CHLOROFORM 99% FOR SYNTHESIS

(Stabilized with ethanol) Trichloromethane

Product Code.	00769	Grade	For Synthesis
Purity	99%	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 99.0% (excluding stabilizer)
Weight/ mL at 20°C	1.474 - 1.480 g/ml

Acidity	Max 0.001 meq/gm
Non volatile matter	Max 0.002%
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

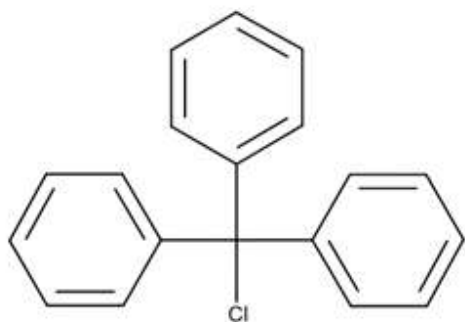
Risk Statement: 20/22-36/38-40-48/20-63

Safety Statement: 36/37

CHLOROTRIPHENYLMETHANE 98% FOR SYNTHESIS

Trityl chloride ;Triphenylmethyl Chloride

Product Code.	00790	Grade	
Purity	98%	CAS No.	76-83-5
Molecular Formula	C19H15Cl	Molecular Weight	278.78
H.S.Code	2903.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to yellow	Melting point/ Freezing point [°C]	109 °C
Boiling point [°C]	230 - 235 °C	Initial boiling point [°C]	230°C	Final boiling point [°C]	235 °C

Specification

Appearance	White to yellowish crystalline powder
Assay	Min 98%
Melting range	109 - 112 deg C

Safety Information and Hazard Symbols

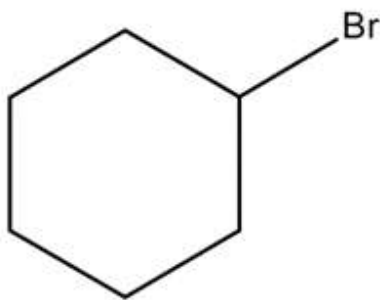


Symbol: GHS05
Signal Word: Danger
UN No.: 3261
IMCO Class No.: 8
Packing Group: II
Hazardous Statement: H314
Precaution Statement: P280-P305 + P351 + P338-P310

CYCLOHEXYL BROMIDE 98% FOR SYNTHESIS

Bromocyclohexane

Product Code.	00916	Grade	
Purity	98%	CAS No.	108-85-0
Molecular Formula	C6H11Br	Molecular Weight	163.06
H.S.Code	2903.89000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear yellowish	Odour	Unpleasant Odor
Flash point [°C]	63 °C	Boiling point [°C]	166 - 167 °C	Initial boiling point [°C]	166°C
Final boiling point [°C]	167 °C	Vapour density	5.62	Density [g/cm3]	1.324
Solubility in water [% weight]	Insoluble in water				

Specification

Appearance	Clear yellowish liquid
Assay (GC area %)	Min 98%
Density (d20°C/4°C)	1.333 - 1.336

CYCLOPENTYL BROMIDE 98% EXTRAPURE

Product Code.	0919A	Grade	EXTRAPURE
Purity	98%	CAS No.	137-43-9
Molecular Formula	C5H9Br	Molecular Weight	149.03
H.S.Code	2903.89000	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Light brown	Flash point [°C]	42
Initial boiling point [°C]	137 - 139	Relative density, liquid (water=1)	1.39 g/cm3 at 25 °C		

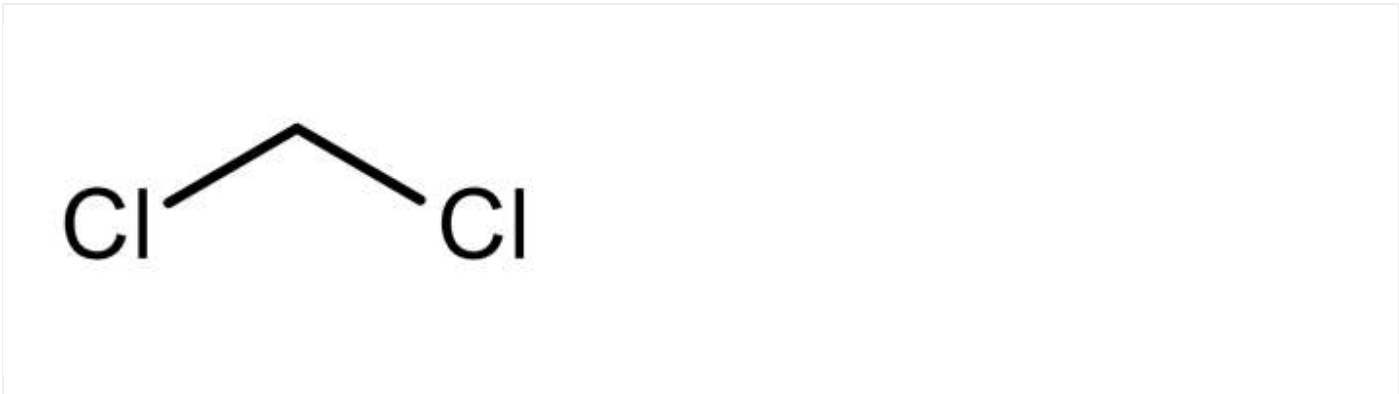
Specification

Appearance (Color)	Colorless to yellow
Appearance (Form)	Liquid
Purity (by GC)	Min 98.0%
Infrared spectrum	Conforms to structure

DICHLOROMETHANE 99.5% AR

Methylene chloride

Product Code.	00969	Grade	AR
Purity	99.5%	CAS No.	75-09-2
Molecular Formula	CH2Cl2	Molecular Weight	84.93
H.S.Code	2903.12000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Chloroform-like odor
Melting point/ Freezing point [°C]	-97 °C	Auto-ignition temperature [°C]	556 °C	Boiling point [°C]	39.8 - 40 °C
Initial boiling point [°C]	39.8 °C	Final boiling point [°C]	40 °C	Evaporation rate	0.71
Vapour pressure [20°C]	470.8 hPa at 20°C	Density [g/cm3]	1.325	Solubility in water [% weight]	Slightly soluble
Partition coefficient Log Pow octanol / water at 20°C	1.25				

Packaging

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Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.5%
Colour scale	Max 10
Weight/ mL at 20°C	1.323 - 1.325 g/ml

Refractive index (20°C; 589 nm)	1.424 - 1.425
Water (H2O)	Max 0.02%
Acidity (as HCl)	Max 0.001%
Non volatile matter	Max 0.001%
Free chlorine (Cl)	Max 0.0001%
Formaldehyde (HCHO)	Max 0.0001%
Copper (Cu)	Max 0.00001%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.0001%

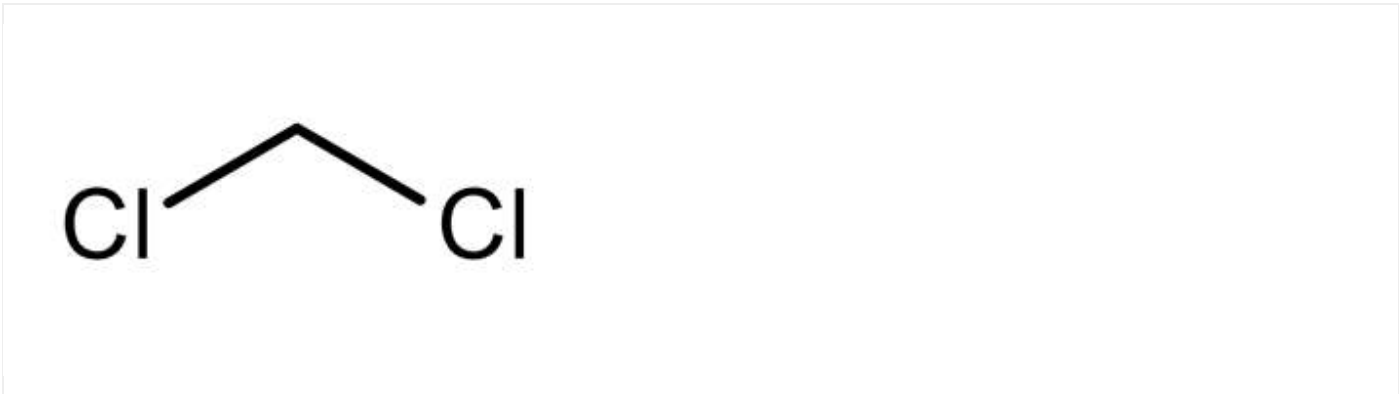
Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Warning UN No.: 1593 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H315-H319-H335-H336-H351-H373 Precaution Statement: P261-P281-P305 + P351 + P338 Risk Statement: 36/37/38-40-67 Safety Statement: 3-36/37

DICHLOROMETHANE 99% EXTRAPURE (METHYLENE CHLORIDE)

Methylene chloride

Product Code.	00968	Grade	Extrapure
Purity	99%	CAS No.	75-09-2
Molecular Formula	CH2Cl2	Molecular Weight	84.93
H.S.Code	2903.12000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Chloroform-like odor
Melting point/ Freezing point [°C]	-97 °C	Auto-ignition temperature [°C]	556 °C	Boiling point [°C]	39.8 - 40 °C
Initial boiling point [°C]	39.8 °C	Final boiling point [°C]	40 °C	Evaporation rate	0.71
Vapour pressure [20°C]	470.8 hPa at 20°C	Density [g/cm3]	1.325	Solubility in water [% weight]	Slightly soluble
Partition coefficient Log Pow octanol / water at 20°C	1.25				

Packaging

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Specification

Appearance	A clear colourless liquid
Purity (by GC)	Min 99.0%
Weight/ mL at 20°C	1.323 - 1.327 g/ml
Refractive index (20°C; 589 nm)	1.4235 - 1.4250

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Warning

UN No.: 1593

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H315-H319-H335-H336-H351-H373

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

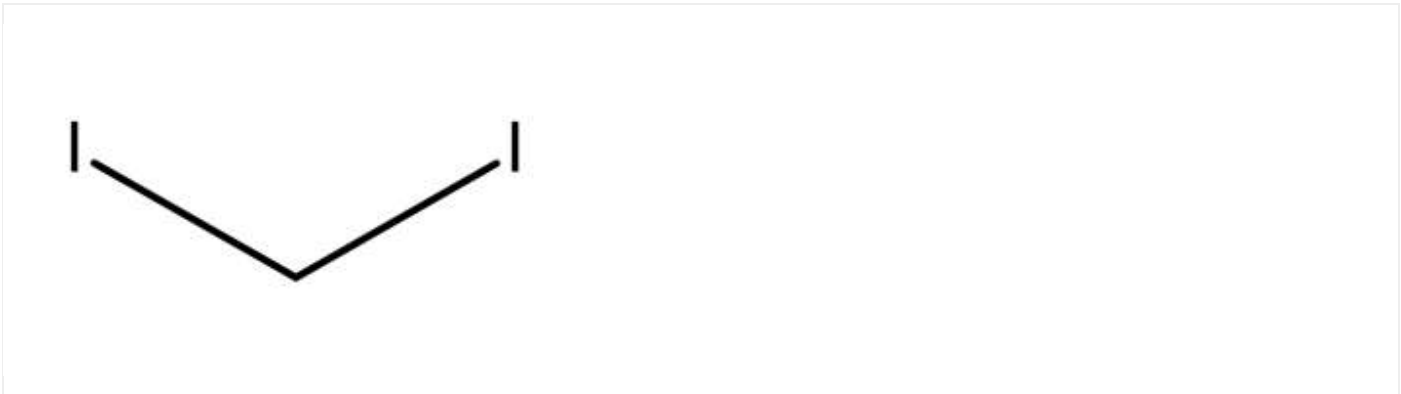
Risk Statement: 36/37/38-40-67

Safety Statement: 3-36/37

DIODOMETHANE 98% FOR SYNTHESIS

(For separation of minerals) Stabilized with Copper Store at 15°C to 25°C Methylene iodide

Product Code.	01013	Grade	
Purity	98%	CAS No.	75-11-6
Molecular Formula	CH2I2	Molecular Weight	267.84
H.S.Code	2903.39900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Reddish brown liquid	Melting point/ Freezing point [°C]	5.0 - 8.0
Flash point [°C]	110.0	Boiling point [°C]	67.0-69.0	Initial boiling point [°C]	67.0
Final boiling point [°C]	69.0	Vapour density	9.25 - (Air = 1.0)	Density [g/cm3]	3.325
Partition coefficient Log Pow octanol / water at 20°C	3.176				

Packaging

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Specification

Appearance	Clear colorless to yellow or reddish brown colored heavy liquid
Assay (GC area %)	Min 98%
Identity (IR)	Passes test
Weight/ mL at 20°C	3.315 - 3.325 g

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

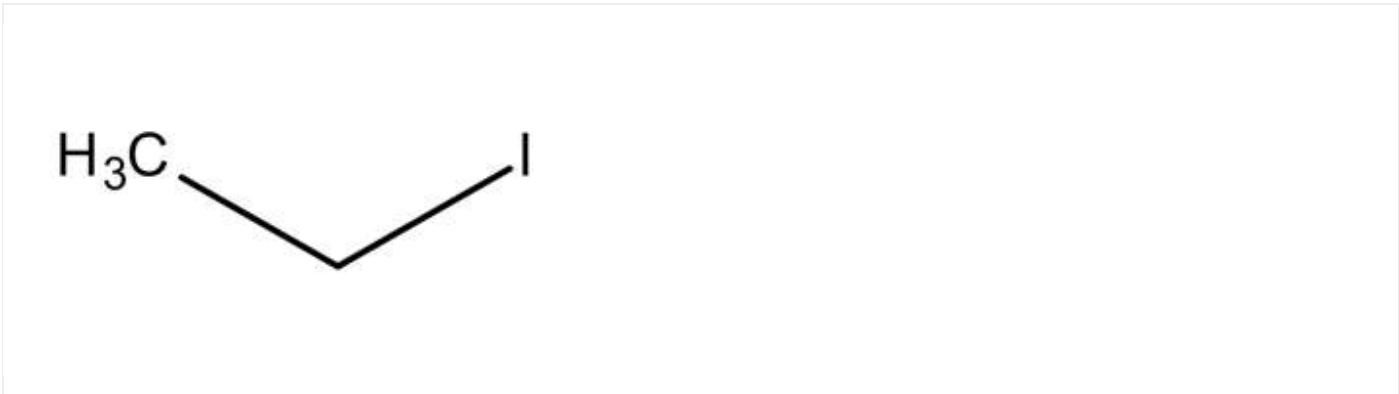
Hazardous Statement: H302-H315-H318-H335

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

ETHYL IODIDE 98% FOR SYNTHESIS

Stabilized with Copper Store at 15°C to 25°C Iodoethane

Product Code.	01182	Grade	
Purity	98%	CAS No.	75-03-6
Molecular Formula	C2H5I	Molecular Weight	155.97
H.S.Code	2903.39300	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Characteristic odor
Melting point/ Freezing point [°C]	-108 °C	Flammability (solid, gas)	Flammable	Flash point [°C]	72 °C
Boiling point [°C]	69 - 73 °C	Initial boiling point [°C]	69°C	Final boiling point [°C]	73 °C
Vapour pressure [20°C]	177 hPa at 25 °C	Vapour density	5.38	Density [g/cm3]	1.95
Solubility in water [% weight]	Slightly soluble in water				

Packaging

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Specification

Appearance	A clear colourless liquid
Assay	Min 98%
Ethanol (C2H5OH)	Max 1%
Density (d20°C/4°C)	1.910 - 1.940

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Danger

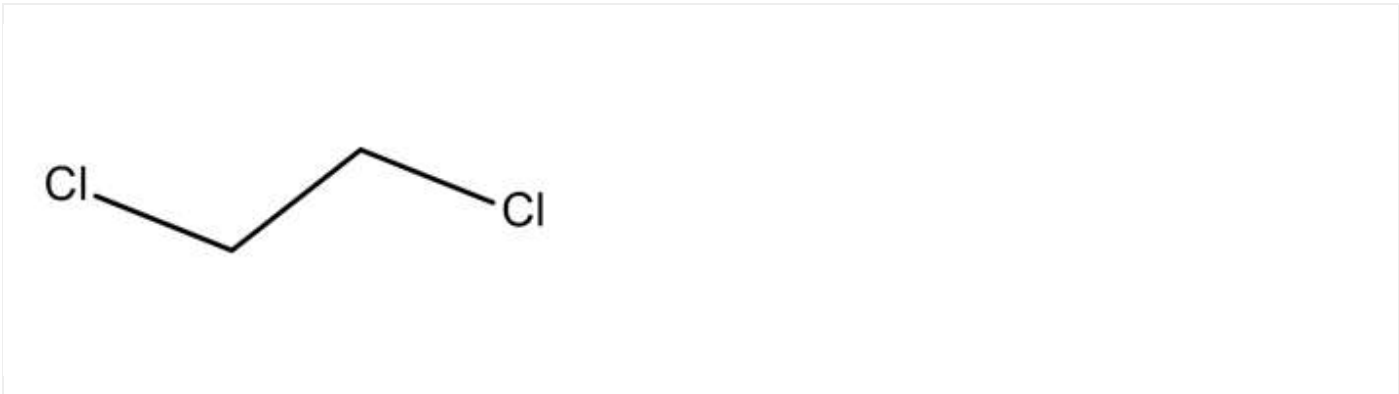
Hazardous Statement: H302-H315-H317-H319-H334-H335

Precaution Statement: P261-P280-P305 + P351 + P338-P342 + P311

ETHYLENE DICHLORIDE (FOR SYNTHESIS) (1,2-DICHLOROETHANE)

1,2-Dichloroethane

Product Code.	01170	Grade	For Synthesis
Purity	98%	CAS No.	107-06-2
Molecular Formula	C2H4Cl2	Molecular Weight	98.96
H.S.Code	2903.15000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Chloroform-like odor
Melting point/ Freezing point [°C]	-35°C	Auto-ignition temperature [°C]	413°C	Flammability (solid, gas)	Flammable
Flash point [°C]	13°C	Boiling point [°C]	82- 84°C	Initial boiling point [°C]	82°C
Final boiling point [°C]	84°C	Vapour pressure [20°C]	86 hPa at 20 °C	Density [g/cm3]	1.24
Relative density, liquid (water=1)	1.25 g/cm3 at 20 °C	Solubility in water [% weight]	8.69 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	1.48
Explosion limits - upper [%]	16.20%	Explosion limits -lower [%]	6.20%		

Packaging

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Specification

Appearance	A clear liquid
Colour scale	Max 25 APHA
Purity (by GC)	Min 98%

Weight/ mL at 20°C	1.251 - 1.254 g/ml
Non - volatile matter	Max 0.01%
Free chlorine (Cl)	Max 0.002%
Reducing substances by KMnO4 (as O)	Max 0.01%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 1184

IMCO Class No.: 3,6.1

Packing Group: II

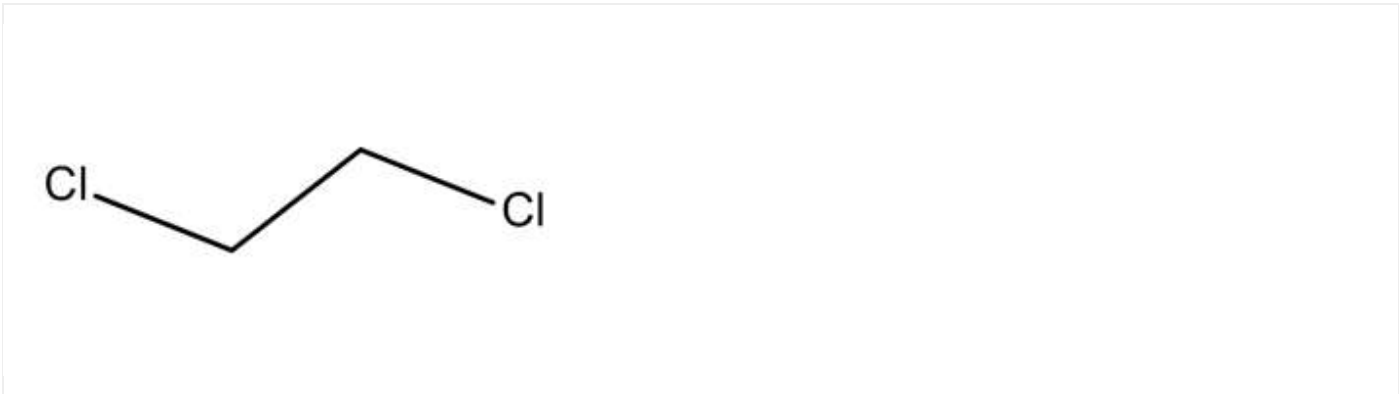
Hazardous Statement: H225-H302-H315-H319-H335-H350

Precaution Statement: P201-P210-P261-P305 + P351 + P338-P308 + P313

ETHYLENE DICHLORIDE AR (1,2-DICHLOROETHANE)

(1,2-Dichloroethane)

Product Code.	01171	Grade	
Purity	99%	CAS No.	107-06-2
Molecular Formula	C2H4Cl2	Molecular Weight	98.96
H.S.Code	2903.15000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Chloroform-like odor
Melting point/ Freezing point [°C]	-35°C	Auto-ignition temperature [°C]	413°C	Flammability (solid, gas)	Flammable
Flash point [°C]	13°C	Boiling point [°C]	82- 84°C	Initial boiling point [°C]	82°C
Final boiling point [°C]	84°C	Vapour pressure [20°C]	86 hPa at 20 °C	Density [g/cm3]	1.24
Relative density, liquid (water=1)	1.25 g/cm3 at 20 °C	Solubility in water [% weight]	8.69 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	1.48
Explosion limits - upper [%]	16.20%	Explosion limits -lower [%]	6.20%		

Packaging

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Specification

Appearance	A clear colourless liquid
Assay	Min 99%
Weight/ mL at 20°C	1.252 - 1.254 g

Refractive index (20°C; 589 nm)	1.443 - 1.445
Water (H2O)	Max 0.03%
Non volatile matter	Max 0.002%
Free chlorine (Cl)	Max 0.0001%
Copper (Cu)	Max 0.0001%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.0001%
Substance reducing KMnO4 (as O)	Max 0.0001%

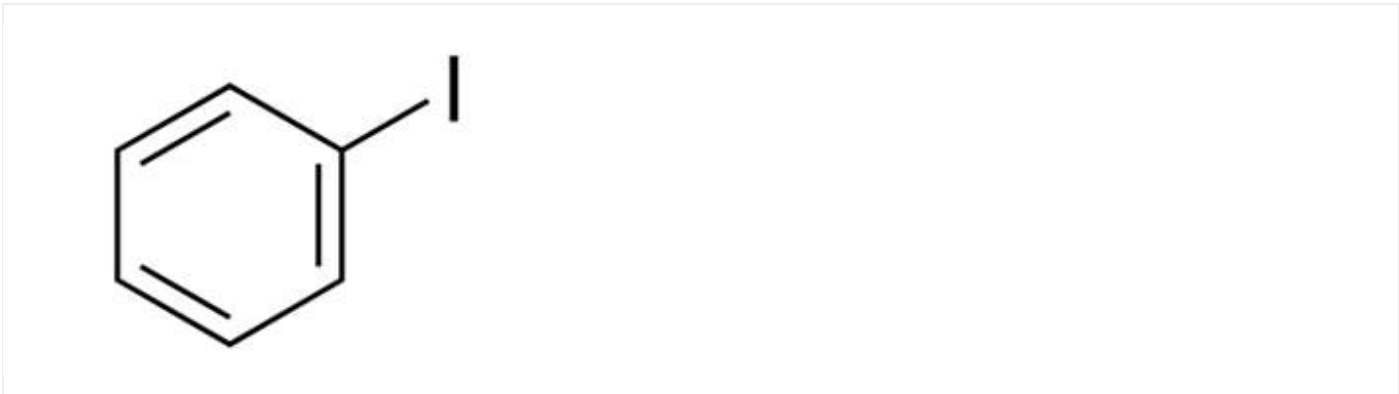
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS08 Signal Word: Danger UN No.: 1184 IMCO Class No.: 3,6.1 Packing Group: II Hazardous Statement: H225-H302-H315-H319-H335-H350 Precaution Statement: P201-P210-P261-P305 + P351 + P338-P308 + P313

IODOBENZENE 98% FOR SYNTHESIS

Phenyl iodide

Product Code.	01463	Grade	
Purity	98%	CAS No.	591-50-4
Molecular Formula	C6H5I	Molecular Weight	204.01
H.S.Code	2903.19900	Shelf Life	60 Months



Physical Properties

Packaging

Specification

Appearance	Colourless to pale yellow liquid.
Assay (GC area %)	Min 98%
Density (at 20°C)	1.81 - 1.83

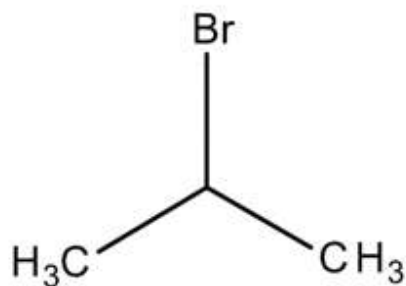
Safety Information and Hazard Symbols

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

ISO-PROPYL BROMIDE 99% FOR SYNTHESIS

2-bromopropane

Product Code.	02209	Grade	For Synthesis
Purity	99%	CAS No.	75-26-3
Molecular Formula	C3H7Br	Molecular Weight	123.00
H.S.Code	2903.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-89 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	19 °C	Boiling point [°C]	59 °C
Vapour pressure mm/Hg	216.47 @ 250C	Vapour density	4.27	Density [g/cm3]	1.31
Relative density, gas (air=1)	4.25	Solubility in water [% weight]	< 0.1%)	Partition coefficient Log Pow octanol / water at 20°C	1.9

Packaging

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Specification

Appearance	Colorless to pale yellow liquid
Purity (by GC)	Min 99.0%
Density (d20°C/4°C)	1.313 - 1.315 g/ml

Safety Information and Hazard Symbols



Symbol: GHS02, GHS08

Signal Word: Danger

UN No.: 2344

IMCO Class No.: 3

Packing Group: II

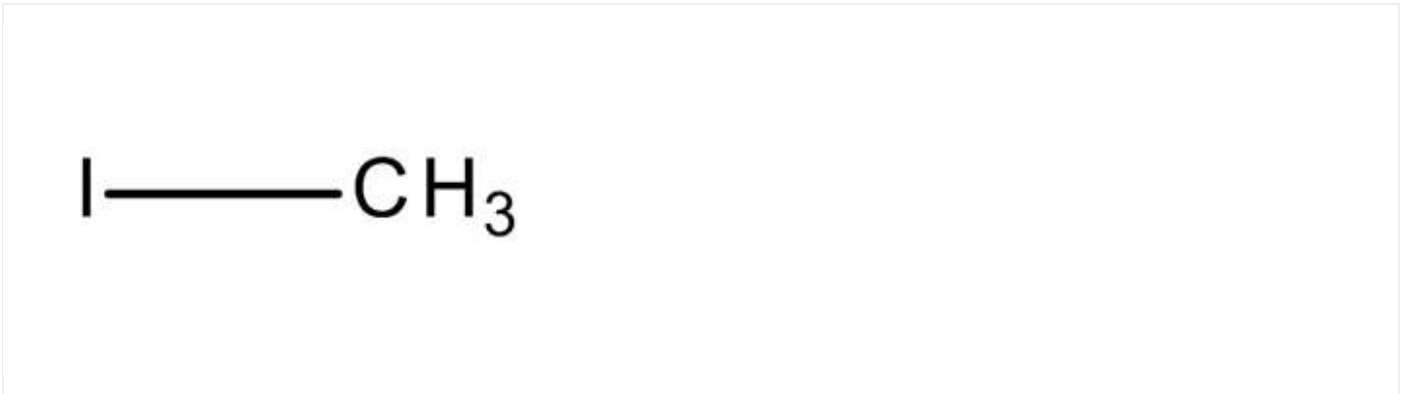
Hazardous Statement: H225-H360-H373

Precaution Statement: P201-P210-P308 + P313

METHYL IODIDE 99% FOR SYNTHESIS

Stabilized with Copper Store at 15°C to 25°C Iodomethane

Product Code.	01732	Grade	For Synthesis
Purity	99%	CAS No.	74-88-4
Molecular Formula	CH3I	Molecular Weight	141.94
H.S.Code	2903.99900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Acrid odor
Melting point/ Freezing point [°C]	-66.1°C	Boiling point [°C]	42°C	Vapour pressure mm/Hg	400 mm Hg @ 250C
Vapour density	4.9	Density [g/cm3]	2.28	Solubility in water [% weight]	14 g/100 g water @ 200C

Packaging

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Specification

Appearance	Colourless to faint yellow liquid
Assay (GC area %)	Min 99%
Weight/ mL at 20°C	2.270 - 2.280 g

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08

Signal Word: Danger

UN No.: 2644

IMCO Class No.: 6.1

Packing Group: I

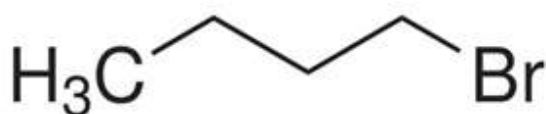
Hazardous Statement: H301-H312-H315-H331-H335-H351

Precaution Statement: P261-P280-P301 + P310-P311

N-BUTYL BROMIDE 98% FOR SYNTHESIS

1-Bromobutane

Product Code.	00569	Grade	
Purity	98%	CAS No.	109-65-9
Molecular Formula	C4H9Br	Molecular Weight	137.03
H.S.Code	2905.13000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless to light yellow	Odour	characteristic odor
Melting point/ Freezing point [°C]	-112°C	Auto-ignition temperature [°C]	509°C	Flammability (solid, gas)	Flammable liquid & vapor
Flash point [°C]	16°C	Boiling point [°C]	100 - 101°C	Initial boiling point [°C]	100°C
Final boiling point [°C]	101°C	Vapour pressure mm/Hg	34 mm Hg @ 20 deg C	Vapour density	4.72
Density [g/cm3]	1.27	Solubility in water [% weight]	Insoluble	Explosion limits - upper [%]	7%
Explosion limits -lower [%]	2.60%				

Packaging



Specification

Appearance	Clear colorless to light yellow liquid
Assay	Min 98%
Density (d20°C/4°C)	1.271 - 1.273
Refractive index (20°C; 589 nm)	1.4394

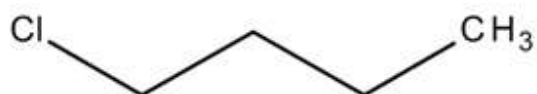
Safety Information and Hazard Symbols


Symbol: GHS02, GHS07, GHS09 Signal Word: Danger UN No.: 1126 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225-H315-H319-H335-H411 Precaution Statement: P210-P261-P273-P305 + P351 + P338

N-BUTYL CHLORIDE 99% FOR SYNTHESIS

1-Chlorobutane

Product Code.	00571	Grade	For Synthesis
Purity	99%	CAS No.	109-69-3
Molecular Formula	C4H9Cl	Molecular Weight	92.58
H.S.Code	2903.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Odour	Unpleasant odor
Melting point/ Freezing point [°C]	-123°C	Auto-ignition temperature [°C]	460°C	Flammability (solid, gas)	Flammable
Flash point [°C]	-12°C	Boiling point [°C]	77 - 78°C	Vapour pressure [20°C]	108 mbar @ 20 °C
Vapour pressure mm/Hg	80 @ 20C	Vapour density	3.19	Density [g/cm3]	0.88
Solubility in water [% weight]	Insoluble in water	Viscosity at 40°C [mm2/s]	0.45 mPa.s (20°C)	Explosion limits - upper [%]	10.10%
Explosion limits -lower [%]	1%				

Packaging



Specification

Appearance	A clear colorless liquid
Purity (by GC)	Min 99.0%
Density (d20°C/4°C)	0.885 - 0.887 g/ml
Identity (IR)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS02
Signal Word: Danger
UN No.: 1127
IMCO Class No.: 3
Packing Group: II
Hazardous Statement: H225
Precaution Statement: P210

N-PROPYL BROMIDE 98.5% FOR SYNTHESIS

n-Propyl Bromide

Product Code.	02210	Grade	For Synthesis
Purity	98.5%	CAS No.	106-94-5
Molecular Formula	C3H7Br	Molecular Weight	123.00
H.S.Code	2903.39900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-110°C
Auto-ignition temperature [°C]	490°C	Flammability (solid, gas)	Flammable	Flash point [°C]	22°C
Boiling point [°C]	71°C	Vapour pressure mm/Hg	100 @ 180C	Vapour density	4.25
Density [g/cm3]	1.354	Solubility in water [% weight]	0.25g / 100ml of water @ 20°C	Explosion limits - upper [%]	7.80%
Explosion limits -lower [%]	4.60%				

Packaging

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Specification

Appearance	Clear colorless to light yellow liquid
Purity (by GC)	Min. 98.5%
Density (d20°C/4°C)	1.351 - 1.353 g/ml

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 2344

IMCO Class No.: 3

Packing Group: III

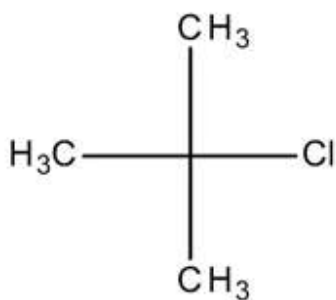
Hazardous Statement: H225-H315-H319-H335-H336-H360FD-H373

Precaution Statement: P201-P210-P261-P305 + P351 + P338-P308 + P313

TERT-BUTYL CHLORIDE 99% FOR SYNTHESIS

2-Chloro-2-methylpropane

Product Code.	00572	Grade	
Purity	99%	CAS No.	507-20-0
Molecular Formula	C4H9Cl	Molecular Weight	92.58
H.S.Code	2903.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colorless	Melting point/ Freezing point [°C]	-25°C
Auto-ignition temperature [°C]	570°C	Flammability (solid, gas)	Flammable	Flash point [°C]	-23°C
Boiling point [°C]	51°C	Vapour pressure [20°C]	266 mbar @ 15 deg C	Vapour density	3.2
Density [g/cm3]	0.87	Solubility in water [% weight]	Sparingly soluble in water	Viscosity at 40°C [mm2/s]	0.51 mPas 20 deg C
Explosion limits - upper [%]	8.80%	Explosion limits -lower [%]	2.00%		

Packaging



Specification

Appearance	A clear colourless to pale yellow liquid
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Assay (GC area %)	Min 99%
Density (d20°C/4°C)	0.842 - 0.844
Identity (IR)	Passes test

Safety Information and Hazard Symbols


Symbol: GHS02 Signal Word: Danger UN No.: 1127 IMCO Class No.: 3 Packing Group: II Hazardous Statement: H225 Precaution Statement: P210

По вопросам продаж и поддержки обращайтесь:

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Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
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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
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Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

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