



100996 1-Propanol

EMPLURA®

For general questions please contact our
Customer Service:

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Product number	Packaging	Size	Price
1009961000	Glass bottle	1 l	price on request
1009962500	Glass bottle	2.5 l	price on request
1009966025	Drum stainl. st.	25 l	price on request
1009969190	Steel barrel	190 l	price on request

Prices are subject to change without notice.

Accessories

901756	Dip tube for 25 l stainless steel drum for withdrawal systems with 2" thread adapter
963533	Safety carrier for Merck 2.5 L glass bottles
101114	Withdrawal system for solvents with manual pressure build-up for 10 l and 25 l stainless steel drums with 2" connection
112647	Antistatic device for earthing metal containers when dispensing and filling with flammable solvents

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Product information


Synonyms	n-Propyl alcohol
Hill Formula	C ₃ H ₈ O
Chemical formula	CH ₃ CH ₂ CH ₂ OH
HS Code	2905 12 00
EC number	200-746-9
Molar mass	60.1 g/mol
EC index number	603-003-00-0
CAS number	71-23-8

Chemical and physical data



Ignition temperature	360 °C
Solubility	(20 °C) miscible in all proportions
Saturation concentration (air)	

	46 g/m ³ (20 °C) Air
Melting point	-127 °C
Molar mass	60.1 g/mol
Density	0.80 g/cm ³ (20 °C)
pH value	7 (200 g/l, H ₂ O, 20 °C)
Boiling point	96.5 - 98 °C (1013 hPa)
Vapor pressure	19 hPa (20 °C)
Explosion limit	2.1 - 19.2 %(V)
Flash point	22 °C
Evaporation number	17

Safety information according to GHS

Hazard Statement(s)	H225: Highly flammable liquid and vapour. H318: Causes serious eye damage. H336: May cause drowsiness or dizziness.
Precautionary Statement(s)	P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233: Keep container tightly closed. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313: Get medical advice/ attention.
Signal Word	Danger
Hazard Pictogram(s)	
RTECS	UH8225000
Storage class	3 Flammable Liquids
WGK	WGK 1 slightly water endangering
Disposal	3 Relatively unreactive organic reagents should be collected in container A. If halogenated, they should be collected in container B. For solid residues use container C.

Safety information

R Phrase	R 11-41-67 Highly flammable.Risk of serious damage to eyes.Vapours may cause drowsiness and dizziness.
S Phrase	S 7-16-24-26-39 Keep container tightly closed.Keep away from sources of ignition - No smoking.Avoid contact with skin.In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.Wear eye/face protection.
Categories of danger	highly flammable, irritant
Hazard Symbol	 Flammable  Irritant

Transport information

Declaration (railroad and road) ADR, RID	UN 1274 n-Propanol, 3, II
Declaration (transport by sea) IMDG-Code	UN 1274 PROPANOL, 3, II
Declaration (transport by air) IATA-DGR	UN 1274 N-PROPANOL, 3, II

Toxicological data

LD 50 oral	LD50 rat 1870 mg/kg
LD 50 dermal	LD50 rat 5040 mg/kg

Specifications

Purity (GC)	≥ 99.0 %
Identity (IR)	conforms
Free acid (as propionic acid)	≤ 0.002 %
Density (d 20 °C/ 4 °C)	0.803 - 0.804
Methanol (GC)	≤ 0.1 %
Readily carbonizable substances	conforms
Water	≤ 0.2 %

