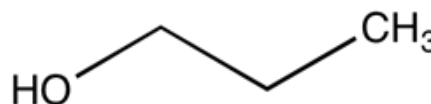


**Identification**

C<sub>3</sub>H<sub>8</sub>O  
M = 60,10 g/mol  
CAS [71-23-8]  
EC number: 200-746-9  
Taric code: 2905 12 00


**Synonyms**

n-Propyl alcohol, Ethylcarbinol, 1-Hydroxypropane, n-Propanol

**Applications**

analytical chemistry, solvents, in pharma industry.

**Specifications**

Identification IR.....	passes test	sec-butanol.....	max. 0,1 %
Identification D (EP).....	passes test	isobutanol.....	max. 0,1 %
refractive index n <sub>20</sub> /D.....	1,384 to 1,387	n-butanol.....	max. 0,1 %
boiling point.....	96 - 98 °C	n-pentanol.....	max. 0,1 %
appearance.....	passes test	n-hexanol.....	max. 0,1 %
acidity or alkalinity.....	passes test	total.....	max. 0,3 %
reducing substances.....	passes test	max. absorbance in a 1,0 cm cell at	
Related substances:		230 nm.....	0,300 AU
methanol.....	max. 0,1 %	250 nm.....	0,100 AU
ethanol.....	max. 0,1 %	270 nm.....	0,030 AU
propanal.....	max. 0,1 %	290 nm.....	0,020 AU
acetone.....	max. 0,1 %	310 nm.....	0,010 AU
2-propanol.....	max. 0,1 %	non volatile matter.....	max. 0,004 %
		water (K.F.).....	max. 0,2 %

**Physical data**

- Density: 0,80 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -127 °C
- Boiling point: 96,5 - 98 °C
- Flash point: 15 °C
- Ignition temperature: 405 °C
- Vapour pressure: (20 °C) 19 hPa
- Viscosity: (20 °C) 2,75 mPas
- Dipolar moment: (20 °C) 1,7 Debye
- Dielectric const.: (25 °C) 20,1
- Saturation conc.: (20 °C) 46 g/m<sup>3</sup>
- Expl. limit (upper): 13,5 Vol%
- Expl. limit (lower): 2,1 Vol%
- pH(200 g/l H<sub>2</sub>O, 20 °C) 7

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H225: Highly flammable liquid and vapour.  
H318: Causes serious eye damage.  
H336: May cause drowsiness or dizziness.


**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor / physician.  
P370+P378: In case of fire: Use ... for extinction.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 3 F1 II • UN 1274 • n-PROPANOL (PROPYL ALCOHOL, NORMAL)
- IMDG: 3 II • UN 1274 • PROPYL ALCOHOL, NORMAL
- IATA/ICAO: 3 II • UN 1274 • PROPYL ALCOHOL, NORMAL
- PAX: 305
- CAO: 307
- 15°C - 25°C