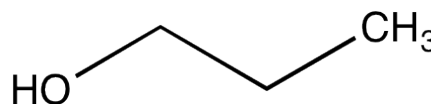


**Identification**

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**

assay (G.C.).....	min. 99 %	related substances.....	passes test
identity (IR-spectrum).....	passes test	reducing substances.....	passes test
density (20°/4°).....	0,803 - 0,805	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
appearance of solution.....	passes test	UV spectroscopy .....	passes test
acidity.....	max. 0,001 meq/g	residue on evaporation.....	max. 0,001 %
alkalinity.....	max. 0,001 meq/g	water (K.F.).....	max. 0,2 %
ethanol (G.C.).....	max. 0,1 %	Residual solvents are analysed	
methanol (G.C.).....	max. 0,1 %	according to guideline	
2-propanol (G.C.).....	max. 0,1 %	CPMP/ICH/283/95.	

**Packaging**
**Packaging Code**

1 l		AL04361000
2,5 l		AL04362500
5 l		AL0436005P
25 l		AL0436025A
200 l		AL0436200L

**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.  
P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
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.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 1870 mg/kg
- WGK: 1
- Poison class CH (Swiss): 4

**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