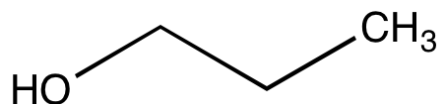


Identification

C_3H_8O
 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.

Specifications

assay (G.C.).....	min. 99,9 %	min. transmission/max. absorbance	
identity (IR-spectrum).....	passes test	in a 1,0 cm cell at	
density (20°/4°).....	0,803 - 0,805	wavelength:	T(%) A (AU)
acidity.....	max. 0,0002 meq/g	220 nm.....	50 % 0,301 AU
alkalinity.....	max. 0,0002 meq/g	250 nm.....	90 % 0,046 AU
residue on evaporation.....	max. 0,0002 %		
water (K.F.).....	max. 0,05 %	Microfiltered through membranes	
		of pore diameter 0,22 µm	

Physical data

- Density: 0,80 g/cm³
- 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/m³
- Expl. limit (upper): 13,5 Vol%
- Expl. limit (lower): 2,1 Vol%
- pH(200 g/l H₂O, 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