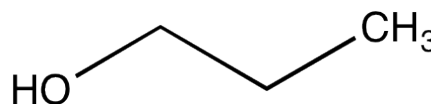


Identification

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. 99,5 %	iron (Fe).....	max. 0,00001 %
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,00001 %
density (20°/4°).....	0,803 - 0,805	magnesium (Mg).....	max. 0,00001 %
appearance.....	clear	manganese (Mn).....	max. 0,000002 %
colour (Hazen).....	max. 10	nickel (Ni).....	max. 0,000002 %
solubility in water.....	passes test	tin (Sn).....	max. 0,00001 %
acidity.....	max. 0,0004 meq/g	zinc (Zn).....	max. 0,00001 %
alkalinity.....	max. 0,0002 meq/g	acetone (G.C.).....	max. 0,01 %
aluminium (Al).....	max. 0,00005 %	ethanol (G.C.).....	max. 0,01 %
barium (Ba).....	max. 0,00001 %	methanol (G.C.).....	max. 0,01 %
boron (B).....	max. 0,000002 %	2-propanol (G.C.).....	max. 0,05 %
cadmium (Cd).....	max. 0,000005 %	aldehydes and ketones (as C ₂ H ₅ CHO).....	max. 0,03 %
calcium (Ca).....	max. 0,00005 %	substances darkened by H ₂ SO ₄	passes test
chromium (Cr).....	max. 0,000002 %	residue on evaporation.....	max. 0,0005 %
cobalt (Co).....	max. 0,000002 %	water (K.F.).....	max. 0,05 %
copper (Cu).....	max. 0,000002 %		

Packaging
Packaging Code

1 l  AL04371000
 2,5 l  AL04372500
 5 l  AL0437005P

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