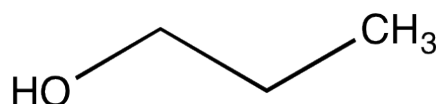


1-Propanol, Pharmapur®, Ph Eur

Identification

C₃H₈O
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
Identification D (EP)..... passes test
refractive index n₂₀/D..... 1,384 to 1,387
boiling point..... 96 - 98 °C
appearance..... passes test
acidity or alkalinity..... passes test
reducing substances..... passes test
Related substances:
methanol max. 0,1 %
ethanol..... max. 0,1 %
propanal..... max. 0,1 %
acetone max. 0,1 %
2-propanol..... max. 0,1 %

sec-butanol..... max. 0,1 %
isobutanol..... max. 0,1 %
n-butanol..... max. 0,1 %
n-pentanol..... max. 0,1 %
n-hexanol..... max. 0,1 %
total..... max. 0,3 %
max. absorbance in a 1,0 cm cell at
230 nm..... 0,300 AU
250 nm..... 0,100 AU
270 nm..... 0,030 AU
290 nm..... 0,020 AU
310 nm..... 0,010 AU
non volatile matter..... max. 0,004 %
water (K.F.)..... max. 0,2 %

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.
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