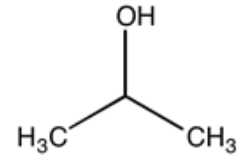


Identification

C_3H_8O
 M = 60,10 g/mol
 CAS [67-63-0]
 EC number: 200-661-7
 Taric code: 2905 12 00


Synonyms

Isopropyl alcohol, Isopropanol, iso-Propanol, Dimethylcarbinol, 2-Hydroxypropane

Applications

solvents, in antifreeze compositions, cosmetics.

Specifications

assay (G.C.).....	min. 99,8 %	gold (Au).....	max. 0,1 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,1 ppm
density (20°/4°).....	0,784 - 0,786	lead (Pb).....	max. 0,1 ppm
solubility in water.....	passes test	magnesium (Mg).....	max. 0,1 ppm
acidity.....	max. 0,0002 meq/g	manganese (Mn).....	max. 0,1 ppm
alkalinity.....	max. 0,0001 meq/g	nickel (Ni).....	max. 0,1 ppm
chlorides (Cl).....	max. 0,00002 %	potassium (K).....	max. 0,1 ppm
phosphates (as PO ₄).....	max. 0,00005 %	sodium (Na).....	max. 0,1 ppm
aluminium (Al).....	max. 0,1 ppm	tin (Sn).....	max. 0,1 ppm
arsenic and antimony (as As).....	max. 0,01 ppm	titanium (Ti).....	max. 0,1 ppm
boron (B).....	max. 0,01 ppm	zinc (Zn).....	max. 0,1 ppm
calcium (Ca).....	max. 0,1 ppm	residue on evaporation.....	max. 0,0005 %
chromium (Cr).....	max. 0,1 ppm	water (K.F.).....	max. 0,05 %
copper (Cu).....	max. 0,1 ppm		

Physical data

- Density: 0,785 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -89,5 °C
- Boiling point: 82,4 °C
- Flash point: 12 °C
- Ignition temperature: 425 °C
- Vapour pressure: (20 °C) 43 hPa
- Viscosity: (20 °C) 2,27 mPas
- Dipolar moment: (20 °C) 1,66 Debye
- Dielectric const.: (25 °C) 18,3
- Saturation conc.: (20 °C) 105 g/m³
- Expl. limit (upper): 12,7 Vol%
- Expl. limit (lower): 2 Vol%
- pH(20 °C) ~ 7
- Hygroscopic

Safety - GHS

Signal Word: Danger


Hazard Statements:

- H225: Highly flammable liquid and vapour.
 H319: Causes serious eye irritation.
 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.
 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 1219 • ISOPROPANOL (ISOPROPYL ALCOHOL)
- IMDG: 3 II • UN 1219 • ISOPROPYL ALCOHOL
- IATA/ICAO: 3 II • UN 1219 • ISOPROPYL ALCOHOL
- PAX: 353
- CAO: 364
- 5°C - 30°C