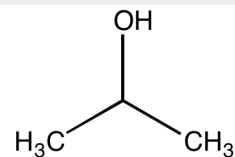


Identification

C₃H₈O
 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. 99,9 %	tin (Sn).....	max. 0,1 ppm
identity (IR-spectrum).....	passes test	zinc (Zn).....	max. 0,1 ppm
density (20°/4°).....	0,784 - 0,786	residue on evaporation.....	max. 0,0005 %
acidity.....	max. 0,0001 meq/g	water (K.F.).....	max. 0,05 %
aluminium (Al).....	max. 0,5 ppm	suitability for use in LC-MS.....	passes test
barium (Ba).....	max. 0,1 ppm		
cadmium (Cd).....	max. 0,05 ppm	min. transmission/max. absorbance	
calcium (Ca).....	max. 0,1 ppm	in a 1,0 cm cell at	
chromium (Cr).....	max. 0,02 ppm	wavelength:	T(%) A (AU)
cobalt (Co).....	max. 0,02 ppm	210 nm.....	20 % 0,699 AU
copper (Cu).....	max. 0,02 ppm	215 nm.....	50 % 0,301 AU
iron (Fe).....	max. 0,1 ppm	240 nm.....	90 % 0,046 AU
lead (Pb).....	max. 0,1 ppm	gradient grade (254 nm)	
magnesium (Mg).....	max. 0,1 ppm	maximum peak absorbance:	max. 0,005 AU
manganese (Mn).....	max. 0,02 ppm		
nickel (Ni).....	max. 0,02 ppm		
potassium (K).....	max. 0,1 ppm	Microfiltered through membranes	
silver (Ag).....	max. 0,1 ppm	of pore diameter 0,22 µm	
sodium (Na).....	max. 0,1 ppm		

Physical data

- Density: 0,78 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.

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): 5045 mg/kg

• MAK: 200 ml/m³, 500 mg/m³

• WGK: 1

• Poison class CH (Swiss): F

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

• Store between 5°C and 30°C