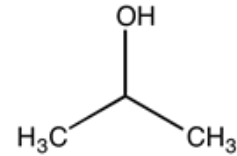


**Identification**

C<sub>3</sub>H<sub>8</sub>O  
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, in pharma industry.

**Specifications**

assay (G.C.).....	min. 99,0 %	230 nm.....	0,30 AU
Identification IR.....	passes test	250 nm.....	0,10 AU
Identification B (USP).....	passes test	270 nm.....	0,03 AU
Identification D (EP).....	passes test	290 nm.....	0,02 AU
density (20°/20°).....	0,785 - 0,789	310 nm.....	0,01 AU
density (25°/25°).....	0,783 - 0,787	benzene and related substances.....	
appearance.....	clear and colourless	benzene .....	max. 2 ppm
refractive index n <sub>20</sub> /D.....	1,376 - 1,378	total impurities apart from 2-butanol.....	max. 0,3 %
acidity or alkalinity.....	passes test	volatile impurities.....	
acidity .....	passes test	each .....	max. 0,1 %
peroxides .....	passes test	total .....	max. 0,1 %
		residue on evaporation.....	max. 20 ppm
max. absorbance in a 1,0 cm cell at		water (K.F.).....	max. 0,5 %
wavelength:.....	A (AU)		

**Physical data**

- Density: 0,785 g/cm<sup>3</sup>
- 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/m<sup>3</sup>
- 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