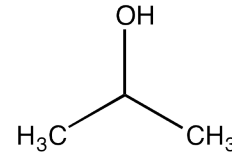


Identification

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. 99,8 %	platinum (Pt).....	max. 0,000002 %
identity (IR-spectrum).....	passes test	silver (Ag).....	max. 0,000002 %
density (20°/4°).....	0,784 - 0,786	thallium (Tl).....	max. 0,000002 %
appearance.....	clear	tin (Sn).....	max. 0,00001 %
colour (Hazen).....	max. 10	titanium (Ti).....	max. 0,000002 %
solubility in water.....	passes test	vanadium (V).....	max. 0,000002 %
acidity.....	max. 0,0001 meq/g	zinc (Zn).....	max. 0,000001 %
alkalinity.....	max. 0,0001 meq/g	zirconium (Zr).....	max. 0,000002 %
chlorides (Cl).....	max. 0,00003 %	acetone (G.C.).....	max. 0,01 %
nitrates (NO ₃).....	max. 0,00003 %	ethanol (G.C.).....	max. 0,01 %
phosphates (as PO ₄).....	max. 0,00005 %	isopropylether (G.C.).....	max. 0,01 %
sulfates (SO ₄).....	max. 0,0001 %	methanol (G.C.).....	max. 0,01 %
aluminium (Al).....	max. 0,00001 %	n-propanol (G.C.).....	max. 0,1 %
antimony (Sb).....	max. 0,000002 %	carbonyl compounds (as CO).....	max. 0,002 %
arsenic (As).....	max. 0,000002 %	substances reducing KMnO ₄	passes test
barium (Ba).....	max. 0,000001 %	substances darkened by H ₂ SO ₄	passes test
beryllium (Be).....	max. 0,000002 %	residue on evaporation.....	max. 0,0002 %
bismuth (Bi).....	max. 0,00001 %	water (K.F.).....	max. 0,05 %
boron (B).....	max. 0,000002 %		
cadmium (Cd).....	max. 0,000001 %	liquid chromatography suitability	
calcium (Ca).....	max. 0,00001 %	absorbance.....	passes test
chromium (Cr).....	max. 0,000002 %		
cobalt (Co).....	max. 0,000002 %	min. transmission/max. absorbance	
copper (Cu).....	max. 0,000002 %	in a 1,0 cm cell at	
gallium (Ga).....	max. 0,000002 %	wavelength:	T(%) A (AU)
gold (Au).....	max. 0,000002 %	207 nm.....	10 % 1,000 AU
indium (In).....	max. 0,000002 %	217 nm.....	50 % 0,301 AU
iron (Fe).....	max. 0,00001 %	232 nm.....	80 % 0,097 AU
lead (Pb).....	max. 0,00001 %	242 nm.....	90 % 0,046 AU
magnesium (Mg).....	max. 0,000002 %	260 nm.....	98 % 0,009 AU
manganese (Mn).....	max. 0,000002 %		
molybdenum (Mo).....	max. 0,000002 %	Microfiltered through membranes	
nickel (Ni).....	max. 0,000002 %	of pore diameter 0,22 µm	

Packaging
Packaging Code

- 1 l  AL03211000
- 2,5 l  AL03212500
- 4 l  AL03214000
- 7 l  AL0321007E
- 25 l  AL0321025S
- 30 l  AL0321030S
- 185 l  AL0321185E

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: 305
- CAO: 307
- Store between 5°C and 30°C