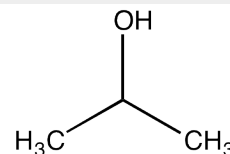


Identification

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 %	indium (In).....	max. 0,000002 %
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,00001 %
appearance.....	clear	lead (Pb).....	max. 0,00001 %
density (20°/4°).....	0,784 - 0,786	lithium (Li).....	max. 0,000005 %
density (20°/20°).....	0,785 - 0,789	magnesium (Mg).....	max. 0,00001 %
boiling point.....	81- 83 °C	manganese (Mn).....	max. 0,000002 %
colour (Hazen).....	max. 10	molybdenum (Mo).....	max. 0,000002 %
solubility in water.....	passes test	nickel (Ni).....	max. 0,000002 %
acidity.....	max. 0,0001 meq/g	platinum (Pt).....	max. 0,000002 %
alkalinity.....	max. 0,0001 meq/g	silver (Ag).....	max. 0,000002 %
chlorides (Cl).....	max. 0,00003 %	tin (Sn).....	max. 0,00001 %
nitrates (NO ₃).....	max. 0,00003 %	thallium (Tl).....	max. 0,000002 %
phosphates (as PO ₄).....	max. 0,00005 %	titanium (Ti).....	max. 0,000002 %
sulfates (SO ₄).....	max. 0,0001 %	vanadium (V).....	max. 0,000002 %
aluminium (Al).....	max. 0,00005 %	zinc (Zn).....	max. 0,00001 %
antimony (Sb).....	max. 0,000002 %	zirconium (Zr).....	max. 0,000002 %
arsenic (As).....	max. 0,000002 %	acetone (G.C.).....	max. 0,002 %
barium (Ba).....	max. 0,00001 %	ethanol (G.C.).....	max. 0,01 %
beryllium (Be).....	max. 0,000002 %	isopropylether (G.C.).....	max. 0,01 %
bismuth (Bi).....	max. 0,00001 %	methanol (G.C.).....	max. 0,01 %
boron (B).....	max. 0,000002 %	n-propanol (G.C.).....	max. 0,1 %
cadmium (Cd).....	max. 0,000005 %	propionaldehyde.....	max. 0,002 %
calcium (Ca).....	max. 0,00005 %	substances reducing KMnO ₄	passes test
chromium (Cr).....	max. 0,000002 %	substances darkened by H ₂ SO ₄	passes test
cobalt (Co).....	max. 0,000002 %	residue on evaporation.....	max. 0,001 %
copper (Cu).....	max. 0,000002 %	water (K.F.).....	max. 0,05 %
gallium (Ga).....	max. 0,000002 %		
gold (Au).....	max. 0,000002 %		

Packaging
Packaging Code

1 l  AL03121000
2,5 l  AL03122500
5 l  AL0312005P
7 l  AL0312007E
10 l  AL0312010C
25 l  AL0312025P
25 l  AL0312025S
30 l  AL0312030S

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