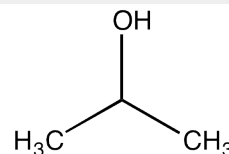


Identification

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. 0,00001 % |
| identity (IR-spectrum)..... | passes test | zinc (Zn)..... | max. 0,00001 % |
| 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. 0,00005 % | suitability for use in LC-MS..... | passes test |
| barium (Ba)..... | max. 0,00001 % | | |
| cadmium (Cd)..... | max. 0,000005 % | min. transmission/max. absorbance | |
| calcium (Ca)..... | max. 0,00001 % | in a 1,0 cm cell at | |
| chromium (Cr)..... | max. 0,000002 % | wavelength: | T(%) A (AU) |
| cobalt (Co)..... | max. 0,000002 % | 210 nm..... | 20 % 0,699 AU |
| copper (Cu)..... | max. 0,000002 % | 215 nm..... | 50 % 0,301 AU |
| iron (Fe)..... | max. 0,00001 % | 240 nm..... | 90 % 0,046 AU |
| lead (Pb)..... | max. 0,00001 % | | |
| magnesium (Mg)..... | max. 0,00001 % | gradient grade (254 nm) | |
| manganese (Mn)..... | max. 0,000002 % | maximum peak absorbance: | max. 0,005 AU |
| nickel (Ni)..... | max. 0,000002 % | | |
| potassium (K)..... | max. 0,00001 % | Microfiltered through membranes | |
| silver (Ag)..... | max. 0,00001 % | of pore diameter 0,22 µm | |
| sodium (Na)..... | max. 0,00001 % | | |

Packaging
Packaging Code

1 l  AL03261000
2,5 l  AL03262500

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