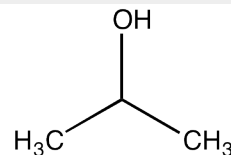


Identification

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 %
identity (IR-spectrum).....passes test
density (20°/4°).....0,784 - 0,786
acidity.....max. 0,0001 meq/g
aluminium (Al).....max. 10 ppb
calcium (Ca).....max. 10 ppb
copper (Cu).....max. 5 ppb
iron (Fe).....max. 10 ppb
lead (Pb).....max. 5 ppb
magnesium (Mg).....max. 10 ppb
manganese (Mn).....max. 5 ppb
nickel (Ni).....max. 5 ppb
potassium (K).....max. 5 ppb
silver (Ag).....max. 5 ppb
sodium (Na).....max. 50 ppb

zinc (Zn).....max. 10 ppb
residue on evaporation.....max. 0,0005 %
water (K.F.).....max. 0,05 %
suitability for use in LC-MS.....passes test

min. transmission/max. absorbance in a 1,0 cm cell at
wavelength:.....T(%) A (AU)
210 nm.....20 % 0,699 AU
215 nm.....50 % 0,301 AU
240 nm.....90 % 0,046 AU

gradient grade (254 nm)
maximum peak absorbance:.....max. 0,005 AU

Microfiltered through membranes of pore diameter 0,22 µm

Physical data

- Density: 0,785 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.
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