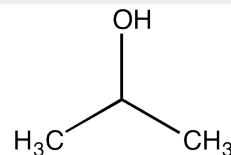


2-Propanol, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

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 %	gold (Au).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	indium (In).....	max. 0,02 ppm
appearance.....	clear	iron (Fe).....	max. 0,1 ppm
density (20°/4°).....	0,784 - 0,786	lead (Pb).....	max. 0,1 ppm
density (20°/20°).....	0,785 - 0,789	lithium (Li).....	max. 0,05 ppm
boiling point.....	81- 83 °C	magnesium (Mg).....	max. 0,1 ppm
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,02 ppm
solubility in water.....	passes test	molybdenum (Mo).....	max. 0,02 ppm
acidity.....	max. 0,0001 meq/g	nickel (Ni).....	max. 0,02 ppm
alkalinity.....	max. 0,0001 meq/g	platinum (Pt).....	max. 0,02 ppm
chlorides (Cl).....	max. 0,00003 %	silver (Ag).....	max. 0,02 ppm
nitrites (NO ₂).....	max. 0,00003 %	tin (Sn).....	max. 0,1 ppm
phosphates (as PO ₄).....	max. 0,00005 %	thallium (Tl).....	max. 0,02 ppm
sulfates (SO ₄).....	max. 0,0001 %	titanium (Ti).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	vanadium (V).....	max. 0,02 ppm
antimony (Sb).....	max. 0,02 ppm	zinc (Zn).....	max. 0,1 ppm
arsenic (As).....	max. 0,02 ppm	zirconium (Zr).....	max. 0,02 ppm
barium (Ba).....	max. 0,1 ppm	acetone (G.C.).....	max. 0,002 %
beryllium (Be).....	max. 0,02 ppm	ethanol (G.C.).....	max. 0,01 %
bismuth (Bi).....	max. 0,1 ppm	isopropylether (G.C.).....	max. 0,01 %
boron (B).....	max. 0,02 ppm	methanol (G.C.).....	max. 0,01 %
cadmium (Cd).....	max. 0,05 ppm	n-propanol (G.C.).....	max. 0,1 %
calcium (Ca).....	max. 0,5 ppm	propionaldehyde.....	max. 0,002 %
chromium (Cr).....	max. 0,02 ppm	substances reducing KMnO ₄	passes test
cobalt (Co).....	max. 0,02 ppm	substances darkened by H ₂ SO ₄	passes test
copper (Cu).....	max. 0,02 ppm	residue on evaporation.....	max. 0,001 %
gallium (Ga).....	max. 0,02 ppm	water (K.F.).....	max. 0,05 %

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