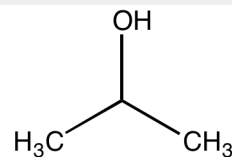


2-Propanol, dried (max. 0,01% H₂O), for analysis, ExpertQ®, ACS, ISO

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. 0,02 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,1 ppm
density (20°/4°).....	0,784 - 0,786	lead (Pb).....	max. 0,1 ppm
appearance.....	clear	lithium (Li).....	max. 0,05 ppm
colour (Hazen).....	max. 10	magnesium (Mg).....	max. 0,1 ppm
solubility in water.....	passes test	manganese (Mn).....	max. 0,02 ppm
acidity.....	max. 0,0001 meq/g	molybdenum (Mo).....	max. 0,02 ppm
alkalinity.....	max. 0,0001 meq/g	nickel (Ni).....	max. 0,02 ppm
chlorides (Cl).....	max. 0,00003 %	platinum (Pt).....	max. 0,02 ppm
nitrates (NO ₃).....	max. 0,00003 %	silver (Ag).....	max. 0,02 ppm
phosphates (as PO ₄).....	max. 0,00005 %	tin (Sn).....	max. 0,1 ppm
sulfates (SO ₄).....	max. 0,0001 %	thallium (Tl).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	titanium (Ti).....	max. 0,02 ppm
antimony (Sb).....	max. 0,02 ppm	vanadium (V).....	max. 0,02 ppm
arsenic (As).....	max. 0,02 ppm	zinc (Zn).....	max. 0,1 ppm
barium (Ba).....	max. 0,1 ppm	zirconium (Zr).....	max. 0,02 ppm
beryllium (Be).....	max. 0,02 ppm	acetone (G.C.).....	max. 0,002 %
bismuth (Bi).....	max. 0,1 ppm	ethanol (G.C.).....	max. 0,01 %
boron (B).....	max. 0,02 ppm	isopropylether (G.C.).....	max. 0,01 %
cadmium (Cd).....	max. 0,05 ppm	methanol (G.C.).....	max. 0,01 %
calcium (Ca).....	max. 0,5 ppm	n-propanol (G.C.).....	max. 0,1 %
chromium (Cr).....	max. 0,02 ppm	propionaldehyde.....	max. 0,002 %
cobalt (Co).....	max. 0,02 ppm	substances reducing KMnO ₄	passes test
copper (Cu).....	max. 0,02 ppm	substances darkened by H ₂ SO ₄	passes test
gallium (Ga).....	max. 0,02 ppm	residue on evaporation.....	max. 0,0005 %
gold (Au).....	max. 0,02 ppm	water (K.F.).....	max. 0,01 %

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

**2-Propanol, dried (max. 0,01% H₂O), for analysis, ExpertQ®, ACS,
ISO****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: 353

• CAO: 364

• Store between 5°C and 30°C