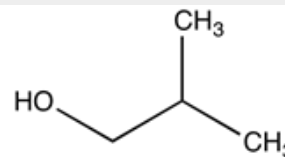


**Identification**

C<sub>4</sub>H<sub>10</sub>O  
 M = 74,12 g/mol  
 CAS [78-83-1]  
 EC number: 201-148-0  
 Taric code: 2905 14 90


**Synonyms**

2-Methyl-1-propanol, Isobutyl alcohol, Isopropylcarbinol, iso-Butanol

**Applications**

synthesis of organic products, perfumery, solvents (painting), analytical chemistry, laboratory reagent.

**Specifications**

assay (G.C.).....	min. 99 %	density (20°/4°).....	0,801 - 0,802
identity (IR-spectrum).....	passes test	residue on evaporation.....	max. 0,005 %
		water (K.F.).....	max. 0,1 %

**Physical data**

- Density: 0,8 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 80 g/l
- Melting point: -108 °C
- Boiling point: 108 °C
- Flash point: 28 °C
- Ignition temperature: 430 °C
- Vapour pressure: (20 °C) 12 hPa
- Refraction index: (n 20 °C/D) 1,3955
- Viscosity: (20 °C) 6,68 mPas
- Dipolar moment: (20 °C) 1,79 Debye
- Dielectric const.: (20 °C) 17,7
- Evap. heat: (108 °C) 577 KJ/kg
- Saturation conc.: (20 °C) 36 g/m<sup>3</sup>
- Expl. limit (upper): 12 Vol%
- Expl. limit (lower): 1,6 Vol%
- pH(80 g/l H<sub>2</sub>O, 20 °C) 7

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H318: Causes serious eye damage.  
 H226: Flammable liquid and vapour.  
 H335: May cause respiratory irritation.  
 H336: May cause drowsiness or dizziness.  
 H315: Causes skin irritation.


**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.  
 P310: Immediately call a POISON CENTER or doctor / physician.  
 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 III • UN 1212 • ISOBUTANOL (ISOBUTYL ALCOHOL)
- IMDG: 3 III • UN 1212 • ISOBUTYL ALCOHOL
- IATA/ICAO: 3 III • UN 1212 • ISOBUTYL ALCOHOL
- PAX: 309
- CAO: 310
- 10°C - 30°C