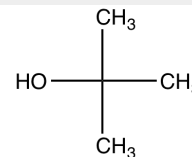


**Identification**

(CH<sub>3</sub>)<sub>3</sub>COH  
M = 74,12 g/mol  
CAS [75-65-0]  
EC number: 200-889-7  
Taric code: 2905 14 10


**Synonyms**

2-Methyl-2-propanol, Trimethylcarbinol, tert-Butyl alcohol

**Applications**

solvents, perfumery, as gasoline additive.

**Specifications**

assay (G.C.).....	min. 99,5 %	cobalt (Co).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	copper (Cu).....	max. 0,02 ppm
appearance.....	clear	iron (Fe).....	max. 0,1 ppm
colour (Hazen).....	max. 10	lead (Pb).....	max. 0,1 ppm
acidity.....	max. 0,0005 meq/g	magnesium (Mg).....	max. 0,1 ppm
alkalinity.....	max. 0,0002 meq/g	manganese (Mn).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	nickel (Ni).....	max. 0,02 ppm
barium (Ba).....	max. 0,1 ppm	tin (Sn).....	max. 0,1 ppm
boron (B).....	max. 0,02 ppm	zinc (Zn).....	max. 0,1 ppm
cadmium (Cd).....	max. 0,05 ppm	carbonyl compounds (as C <sub>3</sub> H <sub>7</sub> CHO).....	max. 0,01 %
calcium (Ca).....	max. 0,5 ppm	residue on evaporation.....	max. 0,001 %
chromium (Cr).....	max. 0,02 ppm	water (K.F.).....	max. 0,1 %

**Physical data**

- Density: 0,78 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: 25,3 °C
- Boiling point: 82 - 83 °C
- Flash point: 14 °C
- Ignition temperature: 490 °C
- Vapour pressure: (20 °C) 40,7 hPa
- Viscosity: (30 °C) 3,35 mPas
- Dipolar moment: (20 °C) 1,7 Debye
- Dielectric const.: (30 °C) 10,9
- Saturation conc.: (20 °C) 122 g/m<sup>3</sup>
- Expl. limit (upper): 8,0 Vol%
- Expl. limit (lower): 2,3 Vol%
- pH(20 °C) 7

**Safety - GHS**

**Signal Word:** Danger


**Hazard Statements:**

- H225: Highly flammable liquid and vapour.  
H332: Harmful if inhaled.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.

**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): 2733 mg/kg
- MAK: 20 ml/m<sup>3</sup>, 62 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 4

**Transport/storage**

- ADR: 3 F1 II • UN 1120 • BUTANOLS
- IMDG: 3 II • UN 1120 • BUTANOLS
- IATA/ICAO: 3 II • UN 1120 • BUTANOLS
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C