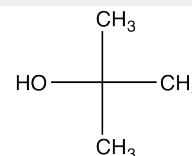


Identification

(CH₃)₃COH
 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 %	residue on evaporation.....	max. 0,005 %
identity (IR-spectrum).....	passes test	water (K.F.).....	max. 0,1 %

Packaging
Packaging Code

1 l  AL01801000
 5 l  AL0180005P
 25 l  AL0180025P

Physical data

- Density: 0,78 g/cm³
- 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/m³
- 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/m³, 62 mg/m³
- 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