

Identification

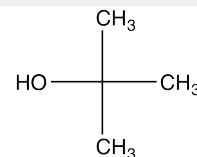
 $(\text{CH}_3)_3\text{COH}$

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 %
identity (IR-spectrum).....passes test

residue on evaporation..... max. 0,005 %
water (K.F.)..... max. 0,1 %

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.
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 1120 • BUTANOLS
- IMDG: 3 II • UN 1120 • BUTANOLS
- IATA/ICAO: 3 II • UN 1120 • BUTANOLS
- PAX: 353
- CAO: 364
- 10°C - 30°C