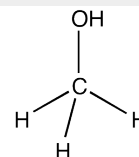


Identification

CH₃OH
M = 32,04 g/mol
CAS [67-56-1]
EC number: 200-659-6
Taric code: 2905 11 00


Synonyms

Methyl alcohol, Carbinol, Methynol, Wood alcohol

Applications

solvents, synthesis of organic products, in antifreeze compositions, solvent for animal and vegetable oils extractions.

Specifications

assay (G.C.).....	min. 99,9 %	indium (In).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,1 ppm
density (20°/4°).....	0,790 - 0,792	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. 0,0002 meq/g	molybdenum (Mo).....	max. 0,02 ppm
alkalinity.....	max. 0,0002 meq/g	nickel (Ni).....	max. 0,02 ppm
chlorides (Cl).....	max. 0,00005 %	platinum (Pt).....	max. 0,05 ppm
sulfates (SO ₄).....	max. 0,0001 %	silver (Ag).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	thallium (Tl).....	max. 0,02 ppm
arsenic (As).....	max. 0,02 ppm	tin (Sn).....	max. 0,1 ppm
barium (Ba).....	max. 0,1 ppm	titanium (Ti).....	max. 0,02 ppm
beryllium (Be).....	max. 0,02 ppm	vanadium (V).....	max. 0,02 ppm
bismuth (Bi).....	max. 0,02 ppm	zinc (Zn).....	max. 0,1 ppm
boron (B).....	max. 0,02 ppm	zirconium (Zr).....	max. 0,02 ppm
cadmium (Cd).....	max. 0,05 ppm	acetone (G.C.).....	max. 0,001 %
calcium (Ca).....	max. 0,5 ppm	ethanol (G.C.).....	max. 0,05 %
chromium (Cr).....	max. 0,02 ppm	acetaldehyde (CH ₃ CHO).....	max. 0,001 %
cobalt (Co).....	max. 0,02 ppm	formaldehyde.....	max. 0,001 %
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. 0,003 %

Physical data

- Density: 0,792 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -98 °C
- Boiling point: 65 °C
- Flash point: 10 °C
- Ignition temperature: 455 °C
- Vapour pressure: (20 °C) 128 hPa
- Refraction index: (n 20 °C/D) 1,3288
- Viscosity: (20 °C) 0,52 mPas
- Dipolar moment: (20 °C) 1,7 Debye
- Dielectric const.: (25 °C) 32,6
- Evap. heat: (65 °C) 1100 KJ/kg
- Saturation conc.: (20 °C) 166 g/m³
- Expl. limit (upper): 44 Vol%
- Expl. limit (lower): < 5,5 Vol%
- pH7
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H225: Highly flammable liquid and vapour.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H370: Causes damage to organs.


Precautionary Statements:

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
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 FT1 II • UN 1230 • METHANOL
- IMDG: 3 II • UN 1230 • METHANOL
- IATA/ICAO: 3 II • UN 1230 • METHANOL
- PAX: 352
- CAO: 364
- 10°C - 30°C