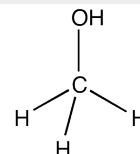


Identification

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 %	lead (Pb).....	max. 0,00001 %
identity (IR-spectrum).....	passes test	lithium (Li).....	max. 0,000005 %
density (20°/4°).....	0,790 - 0,792	magnesium (Mg).....	max. 0,00001 %
density (20°/20°).....	0,791 - 0,793	manganese (Mn).....	max. 0,000002 %
appearance.....	clear	molybdenum (Mo).....	max. 0,000002 %
colour (Hazen).....	max. 10	nickel (Ni).....	max. 0,000002 %
boiling point.....	64 - 65 °C	platinum (Pt).....	max. 0,000005 %
solubility in water.....	passes test	silver (Ag).....	max. 0,000002 %
acidity.....	max. 0,0002 meq/g	thallium (Tl).....	max. 0,000002 %
alkalinity.....	max. 0,0002 meq/g	tin (Sn).....	max. 0,00001 %
chlorides (Cl).....	max. 0,00005 %	titanium (Ti).....	max. 0,000002 %
sulfates (SO ₄).....	max. 0,0001 %	vanadium (V).....	max. 0,000002 %
aluminium (Al).....	max. 0,00005 %	zinc (Zn).....	max. 0,00001 %
arsenic (As).....	max. 0,000002 %	zirconium (Zr).....	max. 0,000002 %
barium (Ba).....	max. 0,00001 %	acetone (G.C.).....	max. 0,001 %
beryllium (Be).....	max. 0,000002 %	ethanol (G.C.).....	max. 0,05 %
bismuth (Bi).....	max. 0,000002 %	aldehydes and ketones (as C ₂ H ₅ CHO).....	max. 0,001 %
boron (B).....	max. 0,000002 %	benzene (G.C.).....	max. 0,0002 %
cadmium (Cd).....	max. 0,000005 %	acetaldehyde (CH ₃ CHO).....	max. 0,001 %
calcium (Ca).....	max. 0,00005 %	formaldehyde.....	max. 0,001 %
chromium (Cr).....	max. 0,000002 %	carbonyl compounds (as CO).....	max. 0,001 %
cobalt (Co).....	max. 0,000002 %	substances darkened by H ₂ SO ₄	passes test
copper (Cu).....	max. 0,000002 %	substances reducing KMnO ₄	passes test
gallium (Ga).....	max. 0,000002 %	residue on evaporation.....	max. 0,0005 %
gold (Au).....	max. 0,000002 %	water (K.F.).....	max. 0,05 %
indium (In).....	max. 0,000002 %		
iron (Fe).....	max. 0,00001 %		

Packaging
Packaging Code

1 l		ME03021000
2,5 l		ME03022500
4 l		ME03024000
5 l		ME0302005P
7 l		ME0302007E
25 l		ME0302025P
25 l		ME0302025S
30 l		ME0302030S

Physical data

- Density: 0,79 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -98 °C
- Boiling point: 64,5 °C
- Flash point: 11 °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%
- 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.

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.

P361: Remove / Take off immediately all contaminated clothing.

P405: Store locked up.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

• LD 50 (oral, rat): 5628 mg/kg

• MAK: 200 ml/m³, 270 mg/m³

• WGK: 1

• Poison class CH (Swiss): 3

Transport/storage

• ADR: 3 FT1 II • UN 1230 • METHANOL

• IMDG: 3 II • UN 1230 • METHANOL

• IATA/ICAO: 3 II • UN 1230 • METHANOL

• PAX: 305

• CAO: 307

• Store between 15°C and 25°C