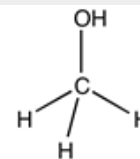


Identification

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. 99,8 %	residue on evaporation.....	max. 0,001 %
density (20°/20°).....	0,791 - 0,793	water (K.F.).....	max. 0,1 %
colour (Hazen).....	max. 10		
boiling point.....	64 - 65 °C	min. transmission/max. absorbance in a 1,0 cm cell at	
solubility in water.....	passes test	wavelength:.....	T(%) A (AU)
acidity.....	max. 0,0003 meq/g	205 nm.....	10 % 1,00 AU
alkalinity.....	max. 0,0002 meq/g	210 nm.....	20 % 0,70 AU
carbonyl compounds	passes test	220 nm.....	50 % 0,30 AU
acetone (G.C.).....	max. 0,001 %	225 nm.....	68 % 0,17 AU
formaldehyde (G.C.).....	max. 0,001 %	230 nm.....	74 % 0,13 AU
acetaldehyde (G.C.).....	max. 0,001 %	240 nm.....	80 % 0,10 AU
substances darkened by H ₂ SO ₄	passes test	250 nm.....	96 % 0,02 AU
substances reducing KMnO ₄	passes test	260 - 400 nm.....	98 % 0,01 AU
absorbance test.....	passes test		
gradient elution test.....	passes test		

Microfiltered through membranes of pore diameter 0,22 µm

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
- 15°C - 25°C