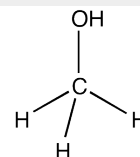


Identification

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