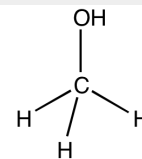


**Identification**

CH<sub>3</sub>OH  
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 %	gradient grade (235 nm)	
identity (IR-spectrum).....	passes test	maximum background absorbance:	0,015 AU
density (20°/4°).....	0,790 - 0,792	maximum peak absorbance:	0,0015 AU
acidity.....	max. 0,0002 meq/g	fluorescence analysis:	
alkalinity.....	max. 0,0002 meq/g	maximum absorbance: 1 ppb as quinine	
residue on evaporation.....	max. 0,0001 %	(in 0,1 N sulfuric acid), for the spectra	
water (K.F.).....	max. 0,02 %	recorded at the following conditions:	
min. transmission/max. absorbance		EX wavelength between 220 and 450	
in a 1,0 cm cell at		EM wavelength between 250 and 550	
wavelength:	T(%) A (AU)	Microfiltered through membranes	
215 nm.....	50 % 0,301 AU	of pore diameter 0,22 µm	
240 nm.....	90 % 0,046 AU		
260 nm.....	98 % 0,010 AU		
		suitable for UPLC	

**Physical data**

- Density: 0,792 g/cm<sup>3</sup>
- 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/m<sup>3</sup>
- 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.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical / ventilating / lighting / equipment.

P243: Take precautionary measures against static discharge.

P280: Wear protective gloves / protective clothing / eye protection / face protection.

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/m<sup>3</sup>, 270 mg/m<sup>3</sup>
- 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: 352
- CAO: 364
- Store between 15°C and 25°C