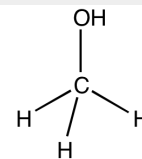


**Identification**

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 %	min. transmission/max. absorbance	
identity (IR-spectrum).....	passes test	in a 1,0 cm cell at	
density (20°/4°).....	0,790 - 0,792	wavelength:	T(%) A (AU)
acidity.....	max. 0,0002 meq/g	205 nm.....	20 % 0,699 AU
aluminium (Al).....	max. 0,5 ppm	220 nm.....	60 % 0,222 AU
barium (Ba).....	max. 0,1 ppm	240 nm.....	90 % 0,046 AU
alkalinity.....	max. 0,0002 meq/g	260 nm.....	98 % 0,009 AU
cadmium (Cd).....	max. 0,05 ppm	gradient grade (235 nm)	
calcium (Ca).....	max. 0,1 ppm	maximum peak absorbance:	0,001 AU
chromium (Cr).....	max. 0,02 ppm	gradient grade (254 nm)	
cobalt (Co).....	max. 0,02 ppm	maximum peak absorbance:	0,0005 AU
copper (Cu).....	max 0,01 ppm		
iron (Fe).....	max. 0,1 ppm		
lead (Pb).....	max. 0,02 ppm	Microfiltered through membranes	
magnesium (Mg).....	max. 0,1 ppm	of pore diameter 0,22 µm	
manganese (Mn).....	max 0,01 ppm		
nickel (Ni).....	max. 0,02 ppm		
potassium (K).....	max. 0,1 ppm		
silver (Ag).....	max. 0,1 ppm		
sodium (Na).....	max. 0,1 ppm		
tin (Sn).....	max. 0,1 ppm		
zinc (Zn).....	max. 0,1 ppm		
residue on evaporation.....	max. 0,0005 %		
water (K.F.).....	max. 0,02 %		
suitability for use in LC-MS.....	passes test		

**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