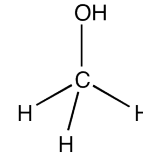


**Identification**

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. 99,8 %	lead (Pb).....	max. 0,000002 %
identity (IR-spectrum).....	passes test	lithium (Li).....	max. 0,000005 %
density (20°/4°).....	0,790 - 0,792	magnesium (Mg).....	max. 0,00001 %
appearance.....	clear	manganese (Mn).....	max. 0,000001 %
colour (Hazen).....	max. 10	molybdenum (Mo).....	max. 0,000002 %
solubility in water.....	passes test	nickel (Ni).....	max. 0,000002 %
acidity.....	max. 0,0003 meq/g	platinum (Pt).....	max. 0,000005 %
alkalinity.....	max. 0,0002 meq/g	silver (Ag).....	max. 0,000002 %
chlorides (Cl).....	max. 0,00005 %	thallium (Tl).....	max. 0,000002 %
sulfates (SO <sub>4</sub> ).....	max. 0,0001 %	tin (Sn).....	max. 0,00001 %
aluminium (Al).....	max. 0,00005 %	titanium (Ti).....	max. 0,000002 %
arsenic (As).....	max. 0,000002 %	vanadium (V).....	max. 0,000002 %
barium (Ba).....	max. 0,00001 %	zinc (Zn).....	max. 0,00001 %
beryllium (Be).....	max. 0,000002 %	zirconium (Zr).....	max. 0,000002 %
bismuth (Bi).....	max. 0,000002 %	acetone (G.C.).....	max. 0,001 %
boron (B).....	max. 0,000002 %	ethanol (G.C.).....	max. 0,1 %
cadmium (Cd).....	max. 0,000005 %	aldehydes and ketones (as C <sub>2</sub> H <sub>5</sub> CHO).....	max. 0,001 %
calcium (Ca).....	max. 0,00005 %	acetaldehyde (CH <sub>3</sub> CHO).....	max. 0,001 %
chromium (Cr).....	max. 0,000002 %	formaldehyde.....	max. 0,0001 %
cobalt (Co).....	max. 0,000002 %	substances reducing KMnO <sub>4</sub> .....	passes test
copper (Cu).....	max. 0,000002 %	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
gallium (Ga).....	max. 0,000002 %	residue on evaporation.....	max. 0,0005 %
gold (Au).....	max. 0,000002 %	water (K.F.).....	max. 0,005 %
indium (In).....	max. 0,000002 %		
iron (Fe).....	max. 0,00001 %		

**Packaging**
**Packaging Code**

1 l  ME03041000

2,5 l  ME03042500

**Physical data**

- Density: 0,79 g/cm<sup>3</sup>
- 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/m<sup>3</sup>
- 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/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: 305
- CAO: 307
- Store between 15°C and 25°C