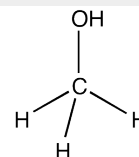


**Identification**

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, in pharma industry.

**Specifications**

|                                                                   |                      |                                                             |             |
|-------------------------------------------------------------------|----------------------|-------------------------------------------------------------|-------------|
| assay (G.C.).....                                                 | min. 99,5 %          | substances darkened by H <sub>2</sub> SO <sub>4</sub> ..... | passes test |
| refractive index n <sub>20</sub> /D.....                          | 1,328 - 1,330        | Related substances:passes test                              |             |
| identification.....                                               | passes test          | any impurity.....                                           | max. 0,1 %  |
| appearance.....                                                   | clear and colourless | total.....                                                  | max. 0,3 %  |
| density (20°/20°).....                                            | 0,791 - 0,793        | residue on evaporation.....                                 | max. 10 ppm |
| acidity or alkalinity.....                                        | passes test          | water (K.F.).....                                           | max. 0,10 % |
| acidity.....                                                      | passes test          | max. absorbance in a 1,0 cm cell at                         |             |
| Alkalinity (as NH <sub>3</sub> ).....                             | max. 3 ppm           | wavelength:.....                                            | A (AU)      |
| aldehydes and ketones (as C <sub>2</sub> H <sub>5</sub> CHO)..... | max. 0,003 %         | 290 nm.....                                                 | 0,01 AU     |
| benzene.....                                                      | max. 2 ppm           | 270 nm.....                                                 | 0,02 AU     |
| readily oxidisable substances.....                                | passes test          | 250 nm.....                                                 | 0,05 AU     |
|                                                                   |                      | 230 nm.....                                                 | 0,15 AU     |

**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<sub>20</sub> °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.  
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
- 10°C - 30°C