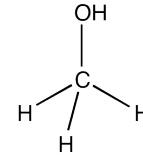


Identification

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. 99,9 %	thallium (Tl).....	max. 0,000002 %
identity (IR-spectrum).....	passes test	tin (Sn).....	max. 0,00001 %
density (20°/4°).....	0,790 - 0,792	titanium (Ti).....	max. 0,000002 %
appearance.....	clear	vanadium (V).....	max. 0,000002 %
colour (Hazen).....	max. 10	zinc (Zn).....	max. 0,000001 %
solubility in water.....	passes test	zirconium (Zr).....	max. 0,000002 %
acidity.....	max. 0,0002 meq/g	acetone (G.C.).....	max. 0,001 %
alkalinity.....	max. 0,0002 meq/g	ethanol (G.C.).....	max. 0,05 %
chlorides (Cl).....	max. 0,00005 %	aldehydes and ketones (as C ₂ H ₅ CHO).....	max. 0,001 %
sulfates (SO ₄).....	max. 0,0001 %	acetaldehyde (CH ₃ CHO).....	max. 0,001 %
aluminium (Al).....	max. 0,00001 %	formaldehyde.....	max. 0,0001 %
arsenic (As).....	max. 0,000002 %	carbonyl compounds (as CO).....	max. 0,001 %
barium (Ba).....	max. 0,000001 %	substances darkened by H ₂ SO ₄	passes test
beryllium (Be).....	max. 0,000002 %	substances reducing KMnO ₄	passes test
bismuth (Bi).....	max. 0,000002 %	residue on evaporation.....	max. 0,0002 %
boron (B).....	max. 0,000002 %	water (K.F.).....	max. 0,03 %
cadmium (Cd).....	max. 0,000001 %		
calcium (Ca).....	max. 0,00003 %	liquid chromatography suitability	
chromium (Cr).....	max. 0,000002 %	absorbance.....	passes test
cobalt (Co).....	max. 0,000002 %		
copper (Cu).....	max. 0,000002 %	min. transmission/max. absorbance	
gallium (Ga).....	max. 0,000002 %	in a 1,0 cm cell at	
gold (Au).....	max. 0,000002 %	wavelength:T(%) A (AU)	
indium (In).....	max. 0,000002 %	207 nm.....	10 % 1,000 AU
iron (Fe).....	max. 0,000002 %	220 nm.....	50 % 0,301 AU
lead (Pb).....	max. 0,00001 %	232 nm.....	80 % 0,097 AU
lithium (Li).....	max. 0,000005 %	242 nm.....	90 % 0,046 AU
magnesium (Mg).....	max. 0,00001 %	260 nm.....	98 % 0,009 AU
manganese (Mn).....	max. 0,000001 %		
molybdenum (Mo).....	max. 0,000002 %	Microfiltered through membranes	
nickel (Ni).....	max. 0,000002 %	of pore diameter 0,22 µm	
platinum (Pt).....	max. 0,000005 %		
silver (Ag).....	max. 0,000002 %		

Packaging
Packaging Code

1 l  ME03151000
 2,5 l  ME03152500
 4 l  ME03154000
 7 l  ME0315007E
 25 l  ME0315025S
 30 l  ME0315030S
 100 l  ME0315100S
 185 l  ME0315185E

Physical data

- Density: 0,79 g/cm³
- 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/m³
- 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/m³, 270 mg/m³
- 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