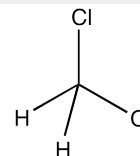


Identification

CH₂Cl₂
M = 84,93 g/mol
CAS [75-09-2]
EC number: 200-838-9
Taric code: 2903 12 00


Synonyms

Methylene chloride, Chloromethylene





Applications

solvents, analytical chemistry.

Specifications

assay (G.C.).....	min. 99,5 %	iron (Fe).....	max. 0,00001 %
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,00001 %
density (20°/4°).....	1,323 - 1,327	magnesium (Mg).....	max. 0,00001 %
appearance.....	clear	manganese (Mn).....	max. 0,000002 %
acidity.....	max. 0,0005 meq/g	nickel (Ni).....	max. 0,000002 %
free chlorine (as Cl).....	max. 0,00003 %	tin (Sn).....	max. 0,00001 %
colour (Hazen).....	max. 10	zinc (Zn).....	max. 0,00001 %
aluminium (Al).....	max. 0,00005 %	carbon tetrachloride (G.C.).....	max. 0,01 %
barium (Ba).....	max. 0,00001 %	chloroform (G.C.).....	max. 0,01 %
boron (B).....	max. 0,000002 %	ethanol (G.C.).....	max. 0,3 %
cadmium (Cd).....	max. 0,000005 %	methanol (G.C.).....	max. 0,01 %
calcium (Ca).....	max. 0,00005 %	formaldehyde.....	max. 0,0005 %
chromium (Cr).....	max. 0,000002 %	substances darkened by H ₂ SO ₄	passes test
cobalt (Co).....	max. 0,000002 %	residue on evaporation.....	max. 0,0005 %
copper (Cu).....	max. 0,000002 %	water (K.F.).....	max. 0,02 %

Packaging
Packaging Code

1 l  CL03321000
2,5 l  CL03322500
7 l  CL0332007E
25 l  CL0332025B

Physical data

- Density: 1,32 g/cm³
- Solub. in water: (20 °C): 20 g/l
- Melting point: ~ -95 °C
- Boiling point: 40 °C
- Ignition temperature: 605 °C
- Vapour pressure: (20 °C) 475 hPa
- Viscosity: (20 °C) 0,43 mPas
- Dipolar moment: (20 °C) 1,6 Debye
- Dielectric const.: (20 °C) 9,1
- Evap. heat: (40 °C) 329 KJ/kg
- Saturation conc.: (20°C) 1549 g/m³
- Expl. limit (upper): 22 Vol%
- Expl. limit (lower): 13 Vol%
- pH(20 °C) 7

Safety - GHS

Signal Word: Warning

Hazard Statements:

H351: Suspected of causing cancer.


Precautionary Statements:

- P281: Use personal protective equipment as required.
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P308+P313: IF exposed or concerned: Get medical advice / attention.
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 1600 mg/kg
- MAK: 100 ml/m³, 350 mg/m³
- WGK: 2
- Poison class CH (Swiss): 4

Transport/storage

- ADR: 6.1 T1 III • UN 1593 • DICHLOROMETHANE
- IMDG: 6.1 III • UN 1593 • DICHLOROMETHANE
- IATA/ICAO: 6.1 III • UN 1593 • DICHLOROMETHANE
- PAX: 655
- CAO: 663
- Store between 15°C and 25°C