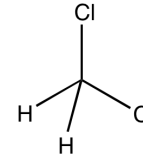


Dichloromethane, stabilized with approx. 50 ppm of amylene,
 Multisolvent[®] HPLC grade ACS ISO UV-VIS

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. 99,9 %	carbon tetrachloride (G.C.).....	max. 0,005 %
identity (IR-spectrum).....	passes test	chloroform (G.C.).....	max. 0,005 %
density (20°/4°).....	1,323 - 1,327	ethanol (G.C.).....	max. 0,02 %
appearance.....	clear	methanol (G.C.).....	max. 0,01 %
colour (Hazen).....	max. 10	formaldehyde.....	max. 0,0005 %
acidity.....	max. 0,0002 meq/g	residue on evaporation.....	max. 0,0002 %
alkalinity.....	max. 0,0002 meq/g	water (K.F.).....	max. 0,01 %
free chlorine (as Cl).....	max. 0,00002 %		
chlorides (Cl).....	max. 0,0001 %	liquid chromatography suitability	
aluminium (Al).....	max. 0,1 ppm	absorbance.....	passes test
barium (Ba).....	max. 0,01 ppm		
boron (B).....	max. 0,02 ppm	min. transmission/max. absorbance	
cadmium (Cd).....	max. 0,01 ppm	in a 1,0 cm cell at	
calcium (Ca).....	max. 0,3 ppm	wavelength:	T(%) A (AU)
chromium (Cr).....	max. 0,02 ppm	235 nm.....	20 % 0,699 AU
cobalt (Co).....	max. 0,02 ppm	240 nm.....	50 % 0,301 AU
copper (Cu).....	max. 0,02 ppm	245 nm.....	80 % 0,097 AU
iron (Fe).....	max. 0,02 ppm	248 nm.....	90 % 0,046 AU
lead (Pb).....	max. 0,1 ppm	255 nm.....	98 % 0,009 AU
magnesium (Mg).....	max. 0,1 ppm		
manganese (Mn).....	max. 0,01 ppm	Microfiltered through membranes	
nickel (Ni).....	max. 0,02 ppm	of pore diameter 0,22 µm	
tin (Sn).....	max. 0,1 ppm		
zinc (Zn).....	max. 0,01 ppm		

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

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Safety - GHS

Signal Word: Warning



Hazard Statements:

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer.
H373: May cause damage to organs through prolonged or repeated exposure.

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