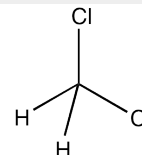


Dichloromethane, stabilized with approx. 50 ppm of amylene,
Multisolvant® HPLC grade ACS ISO UV-VIS

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 %
identity (IR-spectrum).....	passes test
density (20°/4°).....	1,323 - 1,327
appearance.....	clear
colour (Hazen).....	max. 10
acidity.....	max. 0,0002 meq/g
alkalinity.....	max. 0,0002 meq/g
free chlorine (as Cl).....	max. 0,00002 %
chlorides (Cl).....	max. 0,0001 %
aluminium (Al).....	max. 0,1 ppm
barium (Ba).....	max. 0,01 ppm
boron (B).....	max. 0,02 ppm
cadmium (Cd).....	max. 0,01 ppm
calcium (Ca).....	max. 0,3 ppm
chromium (Cr).....	max. 0,02 ppm
cobalt (Co).....	max. 0,02 ppm
copper (Cu).....	max. 0,02 ppm
iron (Fe).....	max. 0,02 ppm
lead (Pb).....	max. 0,1 ppm
magnesium (Mg).....	max. 0,1 ppm
manganese (Mn).....	max. 0,01 ppm

nickel (Ni).....	max. 0,02 ppm
tin (Sn).....	max. 0,1 ppm
zinc (Zn).....	max. 0,01 ppm
carbon tetrachloride (G.C.).....	max. 0,005 %
chloroform (G.C.).....	max. 0,005 %
ethanol (G.C.).....	max. 0,02 %
methanol (G.C.).....	max. 0,01 %
formaldehyde.....	max. 0,0005 %
residue on evaporation.....	max. 0,0002 %
water (K.F.).....	max. 0,01 %

liquid chromatography suitability absorbance..... passes test

min. transmission/max. absorbance in a 1,0 cm cell at wavelength:.....	T(%)	A (AU)
235 nm.....	20 %	0,699 AU
240 nm.....	50 %	0,301 AU
245 nm.....	80 %	0,097 AU
248 nm.....	90 %	0,046 AU
255 nm.....	98 %	0,009 AU

Microfiltered through membranes of pore diameter 0,22 µm

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:

- 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:

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

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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
- 10°C - 30°C