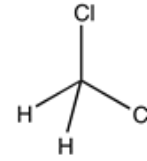


**Dichloromethane**, stabilized with approx. 50 ppm of amylene,  
 Multisolvent<sup>®</sup> HPLC grade ACS ISO UV-VIS

**Identification**

$\text{CH}_2\text{Cl}_2$   
 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/cm<sup>3</sup>
- 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/m<sup>3</sup>
- Expl. limit (upper): 22 Vol%
- Expl. limit (lower): 13 Vol%
- pH(20 °C) 7

**Dichloromethane**, stabilized with approx. 50 ppm of amylene,  
Multisolvent<sup>®</sup> HPLC grade ACS ISO UV-VIS

## 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.

## 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