

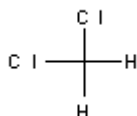


**PRODUCT CODE: 131254**

**Dichloromethane stabilized with ~ 20 ppm for amylene for analysis, ACS, ISO**

CH<sub>2</sub>Cl<sub>2</sub>

CH<sub>2</sub>Cl<sub>2</sub>



M.= 84,93

CAS [75-09-2]

EINECS 200-838-9

TARIC 2903 12 00 00

**SYNONYMS:** Methylene Chloride, Methylene Dichloride

**PHYSICAL DATA:** liquid, Clear, Colourless, Soluble in water 20 g/l at 20 °C D 20/4 1,3258 • M.P.: -95 °C • B.P.: 39,75 °C • n<sub>20/D</sub> : 1,4244 • Flash P.:NO • Ign. T.:605 °C • Vap. press. (20 °C) 453 hPa • Viscosity 20 °C 0,43 mPa.s • D. M. 20 °C 1,6 Debye • Dielec. constant 20 °C 9,1 • Evap. number (DIN 53170) 1,9 • Heat evap. 40 °C 329 KJ/Kg • Satur. conc. 20 °C 1549 g/m<sup>3</sup> • Expl. limit 14 %(V) 25 %(V) •

**BIBLIOGRAPHY:** Merck Index **12**, 6.140 13, 6.088 Sax **MDR000** • Safety **2**, **1140 D** • Kühn-Birett **M 25** • Ullmann **(5).**6, 235 • Beilstein **1**, **60 I**, **8 II**, **13 III**, **43 IV**, **35** • BRN 1730800 • Fieser **1676 2273 4337 7239** • ACS **XI** • ISO 6353/3-1987 R - 57, 22 • BP.**2018** • USP **-NF 36** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • Directive 88/344/E.C.E.92/115/E.C.E.94/52/EC97/60/EC (27/10/1997) 2009/32/CE • Royal Decree 472/1990 (6/4/1990), 2667/1998 (11 /12/1998), 1101/2011 (22/7/2011) •

**HAZARDOUS:** C.E: 602-004-00-3 • RTECS: PA 8050000 • LD50 oral rat 2.000 mg/kg • LC50 rat 49000mg/m<sup>3</sup> / 7h • LD50 skn rat 2.000 mg/kg • VLA-ED 50 ppm 177 mg/m<sup>3</sup>

**Derived No Effect Level (DNEL)**

Workers Inhalation, long term (systemic) 706 mg/m<sup>3</sup> Workers Dermal, long exposure (systemic) 4750mg/kg  
Workers Inhalation, long term (systemic) 353 mg/m<sup>3</sup> Population Inhalation, acute (systemic) 353 mg/m<sup>3</sup>  
Population, Dermal, long exposure (systemic) 2395mg/kg Population Inhalation, long term (systemic) 88,3 mg/m<sup>3</sup>  
Population, oral, long term (systemic) 0.06mg/kg

**Predicted No Effect Concentration (PNEC)**

Freshwater 0.54mg/l Marine water 0.194mg/l Freshwater Sediment 4.47mg/kg Marine water Sediment 1.61mg/kg Soil 0.583mg/kg Sewage treatment plant 26mg/l



H: H351 •  
P: P201 • P202 • P281 • P308+P313 • P405 • P501 •

**TRANSPORT REGULATIONS:** UN: 1593 • ADR: 6.1/III • IMDG: 6.1/III • IATA: 6.1/III • PAX: 655 • CAO: 663 • (E) •

**WEIGHT/VOLUME INFORMATION:** 1l~1,324 kg      1kg~0,755 l

**OBSERVATIONS:** Storage away from direct light. •

### **SPECIFICATIONS:**

|                      |                |
|----------------------|----------------|
| Minimum assay (G.C.) | 99,8%          |
| Identity :           |                |
| Identity             | IR passes test |
| Density at 20/4      | 1,323-1,325    |
| Range of Boiling     | 39,5 - 40,5 °C |

#### **Maximum limit of impurities**

|   |              |
|---|--------------|
| APHA colour   | 10           |
| Acidity   | 0,0002 meq/g |
| Alkalinity  | 0,0002 meq/g |
| Non-volatile matter                                   | 0,001 %      |
| Darkened substances by H <sub>2</sub> SO <sub>4</sub> | passes test  |
| Chlorine (Cl)   | 0,0001%      |
| Chloride (Cl)   | 0,0001%      |
| Formaldehyde (HCHO)                                   | 0,0001%      |
| Carbon Tetrachloride (G.C.)                           | 0,005%       |
| Ethanol (G.C.)  | 0,02%        |
| Trichloromethane (G.C.)                               | 0,005%       |
| Methanol (G.C.)                                       | 0,1 %        |
| Water (H <sub>2</sub> O)                              | 0,01 %       |

#### **Metals by ICP [in mg/Kg (ppm)]**

|    |      |
|----|------|
| Ag | 0,05 |
| Al | 0,5  |
| As | 0,05 |
| Au | 0,05 |
| B  | 0,02 |
| Ba | 0,1  |
| Be | 0,02 |
| Bi | 0,05 |
| Ca | 0,5  |
| Cd | 0,05 |
| Co | 0,02 |
| Cr | 0,02 |
| Cu | 0,02 |
| Fe | 0,1  |
| Ga | 0,02 |
| Ge | 0,05 |

|    |      |
|----|------|
| Hg | 0,05 |
| In | 0,05 |
| K  | 0,1  |
| Li | 0,05 |
| Mg | 0,1  |
| Mn | 0,02 |
| Mo | 0,02 |
| Na | 0,5  |
| Ni | 0,02 |
| P  | 0,2  |
| Pb | 0,1  |
| Pt | 0,02 |
| Sb | 0,02 |
| Si | 0,2  |
| Sn | 0,1  |
| Sr | 0,2  |
| Ti | 0,02 |
| Tl | 0,02 |
| V  | 0,02 |
| Zn | 0,1  |
| Zr | 0,02 |

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