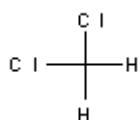


**PRODUCT CODE: 131254**

**Dichloromethane stabilized with ~ 20 ppm of amylene (Reag. USP, Ph. Eur.) 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</sub>/D : 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. **2021** • USP **-NF 37** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **11 12** • 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 •

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**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. •

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**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