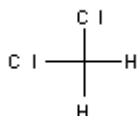


**PRODUCT CODE: 361254****Dichloromethane stabilized with ~ 20 ppm of amylene for UV, IR, HPLC, GPC, ACS**CH<sub>2</sub>Cl<sub>2</sub>CH<sub>2</sub>Cl<sub>2</sub>

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** · K<sup>h</sup>n-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.**2020** · 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 ·

**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.)	99,9%
Density at 20/4	1,322-1,325
<b>Maximum limit of impurities</b>	
APHA colour	10
Acidity	0,0002 meq/g
Alkalinity	0,0002 meq/g
Non-volatile matter	0,0003 %
Chlorine (Cl)	0,0001%
Carbon Tetrachloride (G.C.)	0,005 %
2-Methyl-2-Buten	0,005 %
Water (H <sub>2</sub> O)	0,01 %
Suitability for IR spectrometry:	passes test
Fluorescence at 254 nm (as quinine)	1 ppb
Fluorescence at 365 nm (as quinine)	1 ppb
UV Spectrum (1cm cell; Ref.: water):	
Transmittance at 233 (Cut off) nm	? 10 %
Transmittance at 235 nm	? 40 %
Transmittance at 240 nm	? 75 %
Transmittance at 245 nm	? 90 %
Transmittance at 255 nm	? 98 %
Transmittance at 260-400 nm	? 99 %
Data of interest in HPLC:	
P' + 0,25 E	5,6
Rohrschneider Polarity	3,1
Eluotropic value E (Al <sub>2</sub> O <sub>3</sub> )	0,42
Sol. H <sub>2</sub> O in solv. at 20C	0,17

**For critical jobs, purge with nitrogen.**

**Microfiltered product (0.2 µm) and bottled under nitrogen atmosphere.**

Ed.: 6 . Vig.: 17.05.2021 .

Prod.: 361254