

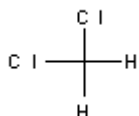


PRODUCT CODE: 361254

Dichloromethane stabilized with ~ 20 ppm of amylene for UV, IR, HPLC, GPC, ACS

CH₂Cl₂

CH₂Cl₂



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_{20/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/m³ • 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/m³ / 7h • LD50 skn rat 2.000 mg/kg • VLA-ED 50 ppm 177 mg/m³

Derived No Effect Level (DNEL)

Workers Inhalation, long term (systemic) 706 mg/m³ Workers Dermal, long exposure (systemic) 4750mg/kg
Workers Inhalation, long term (systemic) 353 mg/m³ Population Inhalation, acute (systemic) 353 mg/m³
Population, Dermal, long exposure (systemic) 2395mg/kg Population Inhalation, long term (systemic) 88,3 mg/m³
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
Maximum limit of impurities	
APHA colour	10
Acidity	0,0002 meq/g
Alkalinity	0,0002 meq/g
Non-volatile matter	0,0003 %
Chlorine (Cl)	0,0001%
Water (H ₂ 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	³ 10 %
Transmittance at 235 nm	³ 40 %
Transmittance at 240 nm	³ 75 %
Transmittance at 245 nm	³ 90 %
Transmittance at 255 nm	³ 98 %
Transmittance at 260-400 nm	³ 99 %
Data of interest in HPLC:	
P' + 0,25 E	5,6
Rohrschneider Polarity	3,1
Eluotropic value E° (Al ₂ O ₃)	0,42
Sol. H ₂ O in solv. at 20°C	0,17

For critical jobs, purge with nitrogen.

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

Ed.: 5 . Vig.: 04.09.2013 .

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