

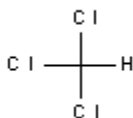


PRODUCT CODE: 131252

Chloroform stabilized with ethanol (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

CHCl₃

CHCl₃



M.= 119,38

CAS [67-66-3]

EINECS 200-663-8

TARIC 2903 13 00 00

SYNONYMS: Chloroform

PHYSICAL DATA: liquid, Clear, Colourless, Soluble in water 8 g/l at 20 °C D 20/4 1,478 • M.P.: -63 °C • B.P.: 61 °C
• n₂₀/D : 1,4459 • Flash P.:NO • Vap. press. (20 °C) 210 hPa • Viscosity 20 °C 0,56 mPa.s • D. M. 20 °C 1,01 Debye
• Dielec. constant 20 °C 4,8 • Evap. number (DIN 53170) 2,5 • Heat evap. 61 °C 263 KJ/Kg • Satur. conc. 20 °C 1027 g/m³ •

BIBLIOGRAPHY: Merck Index **12**, 2.193 13, 2.160 Sax **CHJ500** • Safety **2**, **786 C** • Kühn-Birett **C 21** • Ullmann **(5.)6**, 238 • Beilstein **1**, **61 I**, **9 II**, **14 III**, **51 IV**, **42** • BRN 1731042 • Fieser **1130 8952 1584** • ACS **XI** • ISO 6353/2-1983R - 7, 9 • BP.2025 • USP -**NF 38** •

HAZARDOUS: C.E: 602-006-00-4 • RTECS: FS 9100000 • LD L0 oral man 140 mg/kg • LD L0 oral rbt 500 mg/kg • LD50 oral rat 908 mg/kg • LC L0 man 25000ppm (V) / 5 min • LC50 rat 75mg/l / 1h • LC50 rat 47702mg/m³ / 4h • VLA-ED 2 ppm50 mg/m³



H: H302 • H315 • H351 • H361d • H331 • H372 • H319 •

P: P201 • P202 • P260 • P264 • P270 • P280 • P281 • P301+P312 • P302+P352 • P308+P313 • P314 • P321 • P330 • P332+P313 • P362 • P405 • P501 • P305+P351+P338 • P337+P313 • P261 • P271 • P311 • P304+P340 •

TRANSPORT REGULATIONS: UN: 1888 • ADR: 6.1/III • IMDG: 6.1/III • IATA: 6.1/III • PAX: 680 • CAO: 680 • (E)

WEIGHT/VOLUME INFORMATION: 1l~1,478 kg 1kg~0,677 l

OBSERVATIONS: May be subject to export control •

SPECIFICATIONS:

Minimum assay (G.C.) (stabilizer not included)	99,8%
Minimum assay (G.C.)	99,0%
Identity :	
Identity	IR passes test
Density at 20/4	1,475 - 1,482
Suitability: for use in dithizone tests	passes test
Range of Boiling	60 - 62 °C

Maximum limit of impurities

APHA colour	10
Acidity(as HCl)	0,000365 %
Non-volatile matter	0,001 %
Darkened substances by H ₂ SO ₄	passes test
Chlorine (Cl)	0,00007%
Chloride (Cl)	0,00002%
Carbonyl compounds (as CH ₃ COCH ₃)	0,001%
Phosgene (Cl ₂ CO)	0,0001%
Related substances (G.C.)	
Carbon Tetrachloride (G.C.)	0,01%
Dichloromethane (G.C.)	0,01%
Tetrachloroethylene (G.C.)	0,01%
Trichloroethylene (G.C.)	0,01%
Total impurities	0,7 %
Ethanol (G.C.)	0,5-0,8 %
Metallic impurities	passes test
Water (H ₂ 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	0,05
Pt	0,02

S	0,2
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