



PRODUCT CODE: 361244

Carbon Disulfide for UV, IR, HPLC

CS₂

CS₂

M.= 76,14

CAS [75-15-0]

EINECS 200-843-6

TARIC 2813 10 00 00

SYNONYMS: Carbon Sulphide

PHYSICAL DATA: liquid, Clear, Colourless, Soluble in water 2,9 g/l at 20 °C D 20/4 1,262 • M.P.: -111 °C • B.P.: 46 °C • n_{20/D} : 1,628 • Flash P.: -30 °C • Ign. T.:102 °C • Vap. press. (20 °C) 400 hPa • Viscosity 20 °C 0,36 mPa.s • Dielec. constant 20 °C 262 • Evap. number (DIN 53170) 1,8 • Heat evap. 46 °C 352 KJ/Kg • Satur. conc. 20 °C 1244 g/m³ • Expl. limit 1 %(V) 60 %(V) •

BIBLIOGRAPHY: Merck Index **13**, 1.821 Sax **CBV500** • Safety **2**, **684 D** • Kühn-Birett **S 11** • Ullmann **(4.)** 21, 87 • Beilstein **3**, **197 I**, **79 II**, **139 III**, **320 IV**, **395** • BRN 1098293 • Fieser **1114 594 695** • ACS **XI** •

HAZARDOUS: C.E: 006-003-00-3 • RTECS: FF 6650000 • LD50 oral rat 3.188 mg/kg • LC L0 inh hmn 4000 ppm / 30 min • LC50 rat 25g/m³ / 2h • VLA-ED 10 ppm 31 mg/m³



H: H225 • H319 • H315 • H372 • H361fd •

P: P210 • P233 • P240 • P241 • P242 • P243 • P260 • P264 • P270 • P280 • P302+P352 • P303+P361+P353 • P305+P351+P338 • P314 • P321 • P332+P313 • P337+P313 • P362 • P370+P378 • P403+P235 • P501 •

TRANSPORT REGULATIONS: UN: 1131 • ADR: 3(6.1)/I • IMDG: 3(6.1)/I • IATA: 3(6.1)/ - • PAX: P • CAO: P • (C/E) •

WEIGHT/VOLUME INFORMATION: 1l~1,264 kg 1kg~0,791 l

SPECIFICATIONS:

Minimum assay (G.C.)	99,9%
Maximum limit of impurities	
APHA colour	10
Acidity	0,0005 meq/g
Alkalinity	0,0002 meq/g
Non-volatile matter	0,0005 %
Water (H ₂ O)	0,005 %
Suitability for IR spectrometry:	passes test
UV Spectrum (1cm cell; Ref.: water):	
Transmittance at 385 (Cut off) nm	³ 10 %
Transmittance at 390 nm	³ 50 %
Transmittance at 400 nm	³ 80 %
Transmittance at 410 nm	³ 90 %
Transmittance at 420-500 nm	³ 98 %
Data of interest in HPLC:	
P' + 0,25 E	1,7
Rohrschneider Polarity	0,3
Eluotropic value E° (Al ₂ O ₃)	0,15
Sol. H ₂ O in solv. at 20°C	0,005

For critical jobs, purge with nitrogen.

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