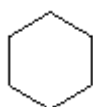


**PRODUCT CODE: 361250****Cyclohexane for UV, IR, HPLC, ACS** C_6H_{12} C_6H_{12} 

M.= 84,16

CAS [110-82-7]

EINECS 203-806-2

TARIC 2902 11 00 00

SYNONYMS: Hexahydrobenzene, Hexamethylene, Hexanaphtene

PHYSICAL DATA: liquid, Clear, Colourless, D 20/4 0,7781 • M.P.: 6,47 °C • B.P.: 80,7 °C • n₂₀/D : 1,4266 • Flash P.: -18 °C • Ign. T.:260 °C • Vap. press. (20 °C) 104 hPa • Viscosity 20 °C 0,94 mPa.s • Dielec. constant20 °C 2 • Heat evap. 81 °C 389 KJ/Kg • Satur. conc. 20 °C 357 g/m³ • Expl. limit1,2 %(V)8,3 %(V) •

BIBLIOGRAPHY: Merck Index **12**, 2.792 13, 2.752 Sax **CPB000** • Safety **2** , **959 D** • Kühn-Birett **C 34** • Ullmann **(5.)8** , 209 • Beilstein **5** , **20 I** , **6 II** , **6 III** , **18 IV** , **27** • BRN 1900225 • ACS **XI** • ISO 6353/2-1983 R - 10 , 13 •

HAZARDOUS: C.E: 601-017-00-1 • RTECS: GU 6300000 • LD50 oral rat 12.705 mg/kg • LC50 rat 32880mg/m³ / 4h • LD50 skn rbt >2.000 mg/kg • VLA-ED 200 ppm700 mg/m³



H: H225 • H315 • H304 • H336 • H410 • H400 •

P: P210 • P243 • P280 • P301+P310 • P331 • P303+P361+P353 • P332+P313 • P273 • P391 • P501 •

TRANSPORT REGULATIONS: UN: 1145 • ADR: 3/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •**WEIGHT/VOLUME INFORMATION:** 1l~0,778 kg 1kg~1,285 l

SPECIFICATIONS:

Minimum assay (G.C.)	99,9%
Density at 20/4	0,776-0,780
Maximum limit of impurities	
APHA colour	10
Acidity	0,0002 meq/g
Alkalinity	0,0002 meq/g
Non-volatile matter	0,0003 %
Darkened substances by H2SO4	passes test
Water (H2O)	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 208 (Cut off) nm	³ 10 %
Transmittance at 210 nm	³ 15 %
Transmittance at 220 nm	³ 50 %
Transmittance at 230 nm	³ 80 %
Transmittance at 240 nm	³ 90 %
Transmittance at 250 nm	³ 98 %
Transmittance at 260-400 nm	³ 99 %
Data of interest in HPLC:	
P' + 0,25 E	0,5
Rohrschneider Polarity	-0,2
Eluotropic value E° (Al2O3)	0,4
Sol. H2O in solv. at 20°C	0,012

For critical jobs, purge with nitrogen.

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