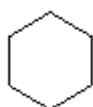


**PRODUCT CODE: 361250****Cyclohexane for UV, IR, HPLC, ACS** C_6H_{12} C_6H_{12} 

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 •

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.