

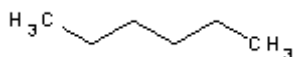


**PRODUCT CODE: 363242**

**n-Hexane 95% for UV, IR, HPLC, ACS**

$C_6H_{14}$

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M.= 86,18

CAS [110-54-3]

EINECS 203-777-6

TARIC 2901 10 00 00

**Hydrocarbons mixture, mainly n-hexane. Isomer content approx. 4% (2- and 3-methylpentanes and methylcyclohexane) .**

**PHYSICAL DATA:** liquid, Clear, Colourless, Inmiscible with water. • D 20/4 0,6603 • M.P.: -95 °C • B.P.: 69 °C • n<sub>20/D</sub> : 1,3751 • Flash P.: -22 °C • Ign. T.:240 °C • Vap. press. (20 °C) 160 hPa • Viscosity 25 °C 0,31 mPa.s • Dielec. constant 20 °C 1,8 • Heat evap. 69 °C 205 KJ/Kg • Satur. conc. 20 °C 563 g/m<sup>3</sup> • Expl. limit 1,1 % (V) / 7,4 % (V) •

**BIBLIOGRAPHY:** Merck Index **12**, 4.729 13, 4.712 Sax **HEN000** • Safety **2** , **1859 A** • Kühn-Birett **H 6** • Ullmann **(5.)13** , 237 • Beilstein **1** , **142 I** , **51 II** , **105 III** , **374 IV** , **338** • BRN 1730733 • ACS **XI** •

**HAZARDOUS:** C.E: 601-037-00-0 • RTECS: MN 9275000 • LD50 oral rat 25.000 mg/kg • LC50 rat 171,6 mg/l / 4h • LD50 skn rbt >2.000 mg/kg • ECTLV 20 ppm/72 mg/m<sup>3</sup> VLA-ED (Spain) 20 ppm/72 mg/m<sup>3</sup> VLA-ED (Germany) 50 ppm/180 mg/m<sup>3</sup> Factor for short-term value (Germany) 8



H: H225 • H315 • H373 • H361f • H304 • H336 • H411 •  
P: P210 • P240 • P273 • P301+P310 • P302+P352 • P501 • P403+P235 •

**TRANSPORT REGULATIONS:** UN: 1208 • ADR: 3/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •

**WEIGHT/VOLUME INFORMATION:** 1l~0,663 kg 1kg~1,508 l

**SPECIFICATIONS:**

Minimum assay (as isomers) (G.C.)	98,5%
Minimum assay (en n-Hexane) (G.C.)	95,0%
<b>Maximum limit of impurities</b>	
APHA colour	10
Acidity	0,0003 meq/g
Non-volatile matter	0,0003 %
Sulfur compounds (as S)	0,005 %
Thiophene (C <sub>4</sub> H <sub>4</sub> S)	passes test
Water (H <sub>2</sub> O)	0,01 %
Suitability for IR spectrometry:	passes test
UV Spectrum (1cm cell; Ref.: water):	
Transmittance at 195 (Cut off) nm	<sup>3</sup> 10 %
Transmittance at 200 nm	<sup>3</sup> 20 %
Transmittance at 210 nm	<sup>3</sup> 60 %
Transmittance at 220 nm	<sup>3</sup> 80 %
Transmittance at 230 nm	<sup>3</sup> 94 %
Transmittance at 245-400 nm	<sup>3</sup> 98 %
Data of interest in HPLC:	
P' + 0,25 E	0,5
Rohrschneider Polarity	0,1
Eluotropic value E° (Al <sub>2</sub> O <sub>3</sub> )	0,01
Sol. H <sub>2</sub> O in solv. at 20°C	0,01

**For critical jobs, purge with nitrogen.**

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