

PRODUCT CODE: 362063

n-Hexane for UV, IR, HPLC

C₆H₁₄

C₆H₁₄



M.= 86,18

CAS [110-54-3]

EINECS 203-777-6

TARIC 2901 10 00 00

PHYSICAL DATA: liquid, Clear, Colourless, Inmiscible with water. • D 20/4 0,6603 • M.P.: -95 °C • B.P.: 69 °C • n₂₀/D : 1,3751 • Flash P.: -22 °C • Vap. press. (20 °C) 160 hPa • Viscosity 25 °C 0,31 mPa.s • Dielec. constant 20 °C 1,8 • Evap. number (DIN 53170) 1,4 • Heat evap. 69 °C 205 KJ/Kg • Satur. conc. 20 °C 563 g/m³ • 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 28.710 mg/kg • LC L0 mus 120000 mg/m³ • VLA-ED 20 ppm 179 mg/m³



H: H225 • H315 • H373 • H361f • H304 • H336 • H411 •

P: P210 • P233 • P240 • P241 • P242 • P243 • P260 • P261 • P264 • P271 • P273 • P280 • P301+P310 • P302+P352 • P303+P361+P353 • P304+P340 • P312 • P314 • P321 • P331 • P332+P313 • P362 • P370+P378 • P391 • P403+P233 • P403+P235 • P405 • P501 •

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

WEIGHT/VOLUME INFORMATION: 1l~0,661 kg 1kg~1,513 l

SPECIFICATIONS:

Minimum assay (G.C.)

99,0%

Density at 20/4	0,660-0,662
Maximum limit of impurities	
APHA colour	10
Acidity	0,0002 meq/g
Alkalinity	0,0002 meq/g
Non-volatile matter	0,0003 %
Water (H ₂ O)	0,005 %
Suitability for IR spectrometry:	passes test
Fluorescence at 254 nm (as quinine)	2 ppb
Fluorescence at 365 nm (as quinine)	2 ppb
UV Spectrum (1cm cell; Ref.: water):	
Transmittance at 195 (Cut off) nm	≥ 10 %
Transmittance at 200 nm	≥ 20 %
Transmittance at 210 nm	≥ 60 %
Transmittance at 220 nm	≥ 85 %
Transmittance at 225 nm	≥ 90 %
Transmittance at 230 nm	≥ 94 %
Transmittance at 245-400 nm	≥ 98 %
Data of interest in HPLC:	
P' + 0,25 E	0,5
Rohrschneider Polarity	0,1
Eluotropic value E° (Al ₂ O ₃)	0,01
Sol. H ₂ O in solv. at 20°C	0,01

For critical jobs, purge with nitrogen.

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