

HEXANE UV**Product Number 212****Packaged in 4L and 1L Glass Bottles and 20L NOWPAK[®] "Bag-in-a-Bottle" Containers****Specifications:**

Water: Less than 0.010% by Karl Fischer titration

Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
195	1.000
225	0.050
250	0.010
275	0.005
300	0.005
400	0.005

Residue: Less than one mg/L

Purity: Greater than 60% n-hexane and 99.9% n-hexane and saturated C₆ hydrocarbons by GC analysis

Electron capture GC: No residue peaks greater than 10 ng/L as heptachlor epoxide

Physical Properties (n-hexane):

Molecular weight: Not applicable

Boiling point: 62-69°C (145-157°F)

Vapor pressure: 5.6psi@100°F (38°C)

Freezing point: Not applicable

Refractive index: 1.3749 at 20°C

Density: 0.6594 g/mL (5.503 lb/gal) at 20°C
0.6548 g/mL (5.464 lb/gal) at 25°C

Dielectric constant: 1.88 at 25°C

Dipole moment: 0.08 D at 25°C

Solvent group: 0

Polarity index (P'): 0.1

Eluotropic value on alumina: 0.01

Viscosity: 0.313 cP at 20°C

Surface tension: 17.91 dyn/cm at 25°C

Solubility in water: Negligible

Solubility of water in hexane: 0.01% at 20°C

Regulatory and Safety Data:

DOT Hazard Class: 3, Pkg Grp II, UN1208, Flammable Liquid

Store in an area designed for flammable storage, or in an approved metal cabinet, away from direct sunlight, heat and sources of ignition.

EPA applicable waste code(s): D001

Flash point: -15°F (-26°C) by closed cup

Lower explosive limit: 1.2%

Upper explosive limit: 7.7%

Time Weighted Average: 50 ppm ACGIH

Refer to Material Safety Data Sheet for additional regulatory, health and safety information.**Suggested Applications:**

For HPLC, gas chromatography, pesticide residue analysis and spectrophotometry.