

Honeywell Burdick & Jackson®

1953 South Harvey Street
Muskegon, MI 49442

99% n-HEPTANE

Product Number 207
Packaged in 4L and 1L Glass Bottles

Specifications:

Water: Less than 0.01% by Karl Fischer titration

Ultraviolet absorbance:

Wavelength, nm	Maximum Absorbance
200	1.000
225	0.100
250	0.010
300	0.005
400	0.005

Refractive index: 1.3878 ± 0.0006 at 20°C

Residue: Less than one mg/L

Purity: Greater than 99.0% n-heptane and 99.9% n-heptane and saturated C₇ hydrocarbons by GC analysis

Electron capture GC: No residue peak greater than two µg/L of heptachlor epoxide

Physical Properties:

Molecular weight: 100.21

Boiling point: 98.4°C(209°F)

Vapor pressure: 35.5mm/Hg

Freezing point: -90.6°C(-131°F)

Refractive index: 1.3876 at 20°C

Density: 0.6837 g/mL(5.705 lb/gal) at 20°C
0.6795 g/mL (5.670 lb/gal) at 25°C

Dielectric constant: 1.92 at 20°C

Dipole moment: 0.0 D at 25°C

Solvent group: 0

Polarity index (P[']): 0.1

Surface tension: 20.30 dyn/cm at 20°C

Solubility in water: 0.0003% at 25°C(77°F)

Solubility of water in heptane: 0.01% at 25°C

Regulatory and Safety Data:

DOT Hazard Class: 3, Pkg Grp II, UN 1206, 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: 25°F (-4°C) by closed cup

Lower explosive limit: 1.05%

Upper explosive limit: 6.7%

Time Weighted Average: 400 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.