

HEPTANE

Product Number PP206

Packaged in 19L cans and 204L drums

Specifications:

Appearance: Clear, colorless liquid

Water: Less than 0.01% by Karl Fischer titration

Refractive index: 1.3878 ± 0.0010 at 20°C

Residue: Less than five mg/L

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

Please inquire if you have any additional specification requirements.

Physical Properties:

Molecular weight: 100.21

Boiling point: 98.4°C(209°F)

Vapor pressure: 35.5mm Hg at 20°C

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 precision cleaning, specialty organic synthesis and preparative scale liquid chromatography.