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Product Specifications

Catalogue Number 47407

Product *n*-Octane

CAS Number 111-65-9

Molecular Formula C₈H₁₈

Molecular Weight 114.23

Warnings *Hygroscopic!*

Appearance Colorless liquid

Solubility Insoluble in water. Degree of solubility in water 0.66 mg/L 25 °C. Miscible with benzene. Soluble in ether. Slightly soluble in alcohol

Melting Point -57 °C

Boiling point 125 - 127 °C

Flash Point 14 °C

Density 0.703

Refractive Index 1.398

Infrared Spectrum Conforms to structure

Purity by GC ≥ 98.5%

Application *n*-Octane is mainly used as a solvent, fuel and as one of the standard values in octane rating scale. It is also used to prevent uneven burning of fuel in internal-combustion engines. Further, it acts as an antiknock agent for high compression engine fuels, lacquer diluents, blowing agent for foam rubber

Storage Store at 2 - 8 °C

For Laboratory Use Only