

TIQ-F-QC-003

Rev.00

Technical Data Sheet**N-HEPTANE 99 % AR**

Dipropyl methane; Heptyl hydride ; Heptane, Septane



Product Code	B-3057	Grade	Analytical Reagent
Purity	99 %	CAS No	142-82-5
Molecular Formula	C ₇ H ₁₆	Molecular Weight	100.21 g/mol
H.S.Code	2901.2990	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colourless
Odour	characteristic	Melting Point/ Freezing point (°C)	-91 °C
Flammability (solid, gas)	Flammable	Flash point	-4,0 °C
Boiling Point	98 °C	Vapour pressure (20 °C)	40.0 mmHg at 20.0 °C
Solubility in water (% weight)	Insoluble in water	Density (g/cm³)	0.684 g/mL at 25 °C
Explosion limits-lower (%)	1.1%	Explosion limits – upper (%)	7%
Auto-ignition temperature (°C)	223°C	Partition coefficient Log Pow octanol / water at 20°C	>3.000

Packaging

500 ml & 2500 ml

Specification

Appearance	A clear colorless liquid
Assay (by GC)	min 99.0 %
Wt. Per ml at 20 °C	0.683 – 0.686 g/cm ³
Colour	max 10 Hazen
Refractive Index (n _D ²⁰)	1.387 – 1.388
Bromine number	max 0.5
Non-volatile matter	max 0.001 %
Water (H ₂ O) (by KF)	max 0.02 %
Acidity (as CH ₃ COOH)	max 0.0005 %
Alkalinity (as NH ₃)	max 0.0001 %

Sulphur compounds (CS ₂)	max 0.0003 %
Copper (Cu)	max 0.00002 %
Iron (Fe)	max 0.00005 %
Lead (Pb)	max 0.00002 %
Miscibility with chloroform & diethyl ether	Passes test

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1206

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H304-H315-H336-H410

Precaution Statement: P210-P261-P273-P301 + P310-P331