



# ORBITALA

*who dares wins*

## PRODUCT: N-Heptane

**Chemical name:** Dipropylmethane, Heptane

**Chemical formula:**  $\text{CH}_3(\text{CH}_2)_5\text{CH}_3$

**CAS #:** 142-82-5

**Purity:** 98.76%

**Class:** 3-flammable liquids

**Un number:** UN1206

## CHARACTERISTICS:

<u>Test Item</u>	<u>Result</u>	<u>Spec</u>	<u>Test Method</u>
Appearance	Bright & Clear	Colorless	Visual
Reaction	Neutral	Neutral	KS M 2012
Specific Gravity 15/4°C	0.6882	0.6870 - 0.6930	ASTM D 4052
Density 15°C kg/m <sup>3</sup>	688.1	REPORT	
Distillation			
Initial Boiling Point °C	98.1	MIN 97.0	ASTM D 1078
Final Boiling Point °C	98.5	MAX 100.0	
Distillation Range Difference 95%~5% °C	0.1	MAX 1.5	ASTM D 1078
Color-Saybolt	+30	MIN 30	ASTM D 156
Sulfur mg/kg	LT0.1	MAX 1	ASTM D 5453
Copper Strip Corrosion 100°C,2h	1-a	MAX 1	ASTM D 130
Bromine Index mg/100g	0.1	MAX 10	ASTM D 2710
Aromatics mg/kg	0	MAX 50	G.C
Purity mass%	99.12	MIN 97.0	G.C
Benzene mg/kg	0	REPORT	G.C
Nonvolatile Matter g/100ml	0.0003	MAX 0.001	ASTM D 1353
Water Content mg/kg	20	MAX 100	ASTM D 6304



## USES:

applied in laboratories as a non-polar solvent.

used to dissolve an oil spot to show the previous presence of organic compounds on a stained paper