

HEPTANE

CAS Number: 142-82-5

Other Names: n-Heptane; Heptan; Dipropylmethane; Heptyl hydride

Formula: C_7H_{16} or $CH_3(CH_2)_5CH_3$

PRODUCT INTRODUCTION

Heptane is a straight-chain alkane with seven carbon atoms. It is a clear colorless liquid with a petroleum-like odor. It is insoluble in water and has volatile nature. Naturally found in Jeffrey pine (*Pinus jeffreyi*).

PHYSICAL AND CHEMICAL PROPERTIES

Appearance (at 18-25°C)	Clear Liquid
Density (at 15°C)	0.6931 KG/L
Color Saybolt (3)	30
Colour	5 PT/CO SCAL
Distillation: IBP	89.5 °C
Distillation : DP	98.2 °C
Acidity	NIL
Copper Corrosion	1A . NO
Benzene Content	0 MG/KG
N-Hexane Assay	1.1 W/W %
Total Aromatic Content	0.00 W/W%
Refractive Index (at 25 °C)	1.3903
Total Sulfur	0.000 MG/KG

APPLICATIONS

- Heptane is best recognized as the standard zero-point for the octane rating scale, which is seen on nearly every gasoline pump worldwide.
- The vulcanization of rubber utilizes heptane as a compounder. In the commercial manufacture of rubber cement, unvulcanized rubber is placed in a solvent of 70-90% heptane. Different grades of rubber cement are created depending on a higher or lower percentage of heptane within the solvent.
- Heptane (and its many isomers) is widely used in laboratories as a non-polar solvent.

PACKAGING OPTIONS

Drums
