

# HEPTANE-S



CAS Number: 142-82-5

Formula: C<sub>7</sub>H<sub>16</sub>

## PHYSICAL AND CHEMICAL PROPERTIES

Color, Saybolt	30 Min
Specific Gravity (15.56/15.56 °C)	0.690-0.740
Initial Boiling Point	90°C min
Dry Point	100°C max
Non Volatile Matter (mg/100ml)	0.6 max
Bromine Index (mg/100g)	100 max
Aromatics (wt ppm)	100 max
N-Hexane (wt %)	0.5 max
Total Sulphur (wt ppm)	100 max
Refractive Index 25°C	1.385-1.4000
Aniline Point °C	20-130

## APPLICATIONS

- HEPTANE S is widely applied in laboratories as a non-polar solvent. As a liquid, it is ideal for transport and storage. In the grease spot test, HEPTANE S is used to dissolve an oil spot to show the previous presence of organic compounds on a stained paper. This is done by shaking the stained paper in a HEPTANE S solution for about half a minute.
- Aqueous bromine may be distinguished from aqueous iodine by its appearance after extraction into HEPTANE S. In water, both bromine and iodine appear brown. However, iodine turns purple when dissolved in HEPTANE S, whereas the bromine solution remains brown.
- HEPTANE S is commercially available as mixed isomers for use in paints and coatings, as the rubber cement solvent "Bestine", the outdoor stove fuel "Powerfuel" by Primus, as pure n-HEPTANE S for research and development and pharmaceutical manufacturing and as a minor component of gasoline.

## PACKAGING OPTIONS

Drums

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