

MILES® N-HEPTANE

n-Heptane

Product Data Sheet**PRODUCT DESCRIPTION**

Miles® N-Heptane is a high-purity (99% or higher) straight-chain C7 hydrocarbon. It is a consistent, non-polar solvent used for extraction and purification, pharmaceutical processing, chromatography, polymer work, and degreasing.

It also serves as the reference fuel at the low end of the octane rating scale.

Chemical Name: n-Heptane

CAS Number: 142-82-5

Chemical Formula: C₇H₁₆

Molecular Weight: 100.20 g/mol

TYPICAL APPLICATIONS

Miles® N-Heptane is suitable for use in applications including:

- Extraction and purification solvent
- Pharmaceutical processing
- Chromatography and analytical work
- Polymer and laboratory applications
- Industrial cleaning and degreasing
- Reference fuel for octane testing

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Appearance	Clear, colorless liquid
Purity	99% minimum (technical grade)
Boiling Point	98°C (208°F)
Melting Point	-91°C (-132°F)
Flash Point	-4°C (25°F)
Density	0.684 g/mL at 20°C
Refractive Index	1.394 at 20°C
Water Solubility	Insoluble; soluble in organic solvents
Transport	UN1206, Class 3 (flammable liquid)

The values shown are typical physical properties and are not intended to constitute product specifications.

PRODUCT FEATURES

- High purity (99% minimum) straight-chain C7 for consistent solvent behavior
- Fast evaporation (boiling point 98°C)
- Non-polar solvency suited to extraction and cleaning
- Low moisture content (about 0.01% typical)

STORAGE & HANDLING

Store in tightly closed, properly labeled containers in a cool, well-ventilated area, away from heat, sparks, open flames and other ignition sources. Ground and bond containers during transfer to prevent static discharge.

Highly flammable liquid and vapor (UN1206, Class 3). May be fatal if swallowed and enters airways; may cause drowsiness or dizziness. Consult the applicable Miles® Safety Data Sheet (SDS) before handling, storing, or using this product.

AVAILABLE PACKAGING

- 302-Pound Drums

Packaging availability may vary. Contact Miles Lubricants LLC for current packaging and minimum-order requirements.

IMPORTANT

Miles® N-Heptane is intended for industrial applications. It should not be represented or used as USP, pharmaceutical, food, cosmetic, or personal-care grade unless the specific product supplied is independently certified for those applications.

PRODUCT INFORMATION

Miles Lubricants LLC

Industrial Lubricants, Chemicals & Specialty Fluids

Product: Miles® N-Heptane (302 lb Drum)

CAS No.: 142-82-5

For product availability, technical information, and Safety Data Sheets, contact Miles Lubricants LLC.

DISCLAIMER

The information and typical properties contained in this Product Data Sheet are provided for general informational purposes and are believed to be accurate at the time of publication. Typical values are not specifications or guaranteed properties. Product users are responsible for determining the suitability, compatibility, safety, and regulatory compliance of the product for their particular application. Please consult the applicable Safety Data Sheet before use.