

MILES® HEXANE

n-Hexane / Hexanes

Product Data Sheet**PRODUCT DESCRIPTION**

Miles® Hexane is a colorless, highly volatile aliphatic hydrocarbon solvent with a faint gasoline-like odor. Commercial hexanes are a mixture that is typically more than 60% n-hexane, with other C6 isomers.

It is used for extraction (such as edible oils and essential oils), chemical synthesis, and precision cleaning. It is extremely flammable, and its vapors can travel to distant ignition sources.

Chemical Name: Hexane (n-hexane)**CAS Number:** 110-54-3 / 64742-49-0**Chemical Formula:** C_6H_{14} **Molecular Weight:** 86.18 g/mol**TYPICAL APPLICATIONS****Miles® Hexane is suitable for use in applications including:**

- Extraction of essential oils and pharmaceutical ingredients
- Chemical synthesis
- Industrial extraction
- Precision cleaning

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Appearance	Clear, colorless liquid
Boiling Point	approx. 67–69°C (153–156°F)
Melting Point	approx. -95 to -94°C (-139 to -137°F)
Flash Point	approx. -26 to -22°C (-15 to -7°F)
Density / Specific Gravity	approx. 0.66 g/mL
Vapor Pressure	approx. 124 mmHg at 20°C
Explosive Limits in Air	1.1% (LEL) to 7.5% (UEL)
Water Solubility	Insoluble
Transport	UN1208, Class 3 (flammable liquid)

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

PRODUCT FEATURES

- Highly volatile (boiling point about 67–69°C), so it evaporates quickly
- Low density (about 0.66 g/mL) and insoluble in water
- Effective non-polar solvent for extraction work
- Compatible with HDPE and glass containers

STORAGE & HANDLING

Store in tightly closed containers (such as HDPE or glass) in a cool, well-ventilated area, away from all ignition sources. Vapors can travel to a source of ignition and flash back. Ground and bond containers during transfer.

Highly flammable liquid and vapor (UN1208, Class 3). 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® Hexane 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® Hexane (302 lb Drum)

CAS No.: 110-54-3 / 64742-49-0

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.