

DESCRIPTION

Lubesolve 142 is a high-purity, low-aromatic aliphatic hydrocarbon solvent composed primarily of hydrotreated isoparaffins and naphthenics. It is a clear, colorless liquid produced from domestic crude oil through rigorous hydrotreating and selective fractionation processes. The product is characterized by very low aromatic content (<1%), extremely low levels of polynuclear aromatics (PNAs), mild odor, and a medium flash point. These attributes deliver excellent solvency, high chemical stability, and low impurity profiles, making **Lubesolve 142** particularly suitable for demanding industrial, consumer, and regulated applications where product purity, low toxicity, and consistent performance are required. Its balanced volatility and compatibility with a wide range of resins, oils, and additives position it as an effective replacement for traditional mineral spirits in sensitive formulations.

APPLICATIONS

Lubesolve 142 is a versatile, high-purity aliphatic hydrocarbon solvent suitable for a wide range of industrial, agricultural, and consumer applications as follows:

- **Paints, Coatings, Inks, Adhesives & Sealants:** Solvent and thinner for architectural coatings, industrial finishes, printing inks, adhesives, and sealants.
- **Industrial Cleaners, Degreasers & Metalworking Fluids:** Precision cleaning, heavy-duty degreasing, aluminum rolling oils, and metalworking formulations.
- **Lubricants, Oilfield & Mining:** Viscosity modifier in lubricating oils and greases, base fluid or additive in drilling fluids, friction reducers, and extraction processes.
- **Agricultural, Chemical & Consumer Products:** Carrier solvent for pesticide formulations, chemical extraction/purification, and consumer goods such as cleaners, polishes, charcoal lighter fluids, lamp oils, and starting fluids.

ADVANTAGES & BENEFITS

Ultra-Low Aromatic Content: <1% aromatics and extremely low polynuclear aromatics (PNAs), resulting in reduced toxicity, and minimal odor.

High Purity and Stability: Produced through rigorous hydrotreating and selective fractionation, ensuring consistent quality, excellent chemical stability, and low impurity levels for sensitive formulations.

Balanced Solvency and Evaporation: Offers strong solvency power combined with a medium flash point and controlled volatility, providing safe handling, uniform drying, and minimal residue.

Broad Compatibility: Highly compatible with resins, oils, additives, and active ingredients, making it an effective carrier, thinner, and process solvent across diverse applications.

Low Odor and User-Friendly: Mild odor improves workplace acceptability and consumer appeal in end-use products.

Versatile Performance: Functions efficiently as a solvent, diluent, viscosity modifier, and base fluid in industrial, agricultural, oilfield, and consumer applications while serving as a high-quality replacement for traditional mineral spirits.

HEALTH & SAFETY

Store in cool, well-ventilated areas away from ignition sources. Use standard PPE. Flash point indicates it is combustible but safer than lower-flash solvents.

For additional details, refer to separate Safety Data Sheets, available upon request.

TECHNICAL DATA/TECHNICAL PROPERTIES

Properties	
Density (lbs/gal)	6.524
Flash Point, °C (°F)	61 (147)
Aromatic Content	max 1.0
Refractive index, @25 °C	1.4297

*All properties are typical and may vary.

Always adhere to the manufacturer's guidelines for the correct equipment fluid. Lubchem Specialties is not liable for any misuse of the product or improper application.