

MILES® ODORLESS MINERAL SPIRITS (OMS)

High-Purity Isoparaffinic Hydrocarbon Fluid

PRODUCT DATA SHEET

PRODUCT DESCRIPTION

Miles® Odorless Mineral Spirits (OMS) is a high-purity synthetic isoparaffinic hydrocarbon fluid designed for applications requiring excellent solvency, low odor, controlled volatility, and high product purity.

Miles® OMS provides the performance characteristics of a highly refined hydrocarbon solvent while minimizing the strong odor commonly associated with conventional mineral spirits.

Its combination of low aromatic content, excellent color, controlled distillation range, and low sulfur content makes Miles® OMS suitable for a broad range of industrial, commercial, and formulation applications.

Product Type: Odorless Mineral Spirits

Chemical Family: Isoparaffinic Hydrocarbons

Physical Form: Liquid

Appearance: Clear, bright liquid

TYPICAL APPLICATIONS

Miles® Odorless Mineral Spirits is suitable for applications including:

- Industrial cleaning and degreasing
- Paints and coatings
- Aerosol formulations
- Metalworking applications
- Parts and equipment cleaning
- Solvent-based formulations
- Process fluids
- Liquid toner formulations

- Polymerization processes
- General industrial solvent applications

PRODUCT SPECIFICATIONS

Property	Minimum	Maximum	Test Method
Appearance	Pass	—	Visual
Color, Saybolt	30	—	ASTM D156 / D6045
Aniline Point	79°C	—	ASTM D611
Aromatic Content	—	Report	Applicable Analytical Method
Doctor Test	Sweet	—	ASTM D4952
Flash Point, TCC	46°C (115°F)	—	ASTM D56
Specific Gravity @ 15.6/15.6°C	0.750	0.770	ASTM D4052
Sulfur Content	—	5 ppm	ASTM D4045 / D5453
Initial Boiling Point (IBP)	163°C (325°F)	—	ASTM D86
Dry Point (DP)	—	196°C (385°F)	ASTM D86

The above values represent product specification parameters. Actual results may vary within specification limits. Refer to the applicable Certificate of Analysis for batch-specific results.

PRODUCT FEATURES & BENEFITS

Low Odor

Highly refined isoparaffinic composition provides significantly reduced odor compared with conventional mineral spirits.

High Purity

Controlled composition and low levels of undesirable impurities make Miles® OMS suitable for demanding industrial and formulation applications.

Water-white appearance provides advantages in coatings, cleaning products, and formulations where solvent color is important.

Low Sulfur

Very low sulfur content helps provide clean performance in applications sensitive to sulfur-containing impurities.

Controlled Volatility

A controlled boiling range provides a useful balance between working time and evaporation.

Excellent Solvency

Provides effective solvency for many oils, greases, hydrocarbon-compatible resins, and industrial contaminants.

Low Residue

Designed for applications requiring clean evaporation and minimal residual material.

PHYSICAL & PERFORMANCE CHARACTERISTICS**Miles® OMS combines:**

- High-purity isoparaffinic hydrocarbons
- Low odor
- Excellent water-white color
- Controlled evaporation
- Low sulfur content
- Low aromatic content
- Good hydrocarbon solvency
- Consistent distillation characteristics
- Excellent cleaning performance

These characteristics make the product particularly suitable for applications where conventional mineral spirits may produce excessive odor or contain undesirable levels of aromatic compounds.

STORAGE & HANDLING

Store Miles® Odorless Mineral Spirits in properly labeled, tightly closed containers in a cool, dry, well-ventilated area.

Keep away from heat, sparks, flames, and other potential ignition sources and handling.

Avoid prolonged skin contact and unnecessary inhalation of vapor.

Consult the current Miles® Safety Data Sheet (SDS) for complete safety, handling, storage, transportation, exposure-control, and disposal information.

AVAILABLE PACKAGING

Miles® Odorless Mineral Spirits is available in:

- 5-Gallon Pails
- 55-Gallon Drums
- IBC Totes
- Bulk

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

PRODUCT IDENTIFICATION

Product Name: Miles® Odorless Mineral Spirits

Abbreviation: OMS

Product Type: High-Purity Isoparaffinic Hydrocarbon Fluid

Brand: Miles®

Miles Lubricants LLC

Industrial Lubricants • Chemicals • Specialty Fluids

For product availability, technical assistance, Safety Data Sheets, and Certificates of Analysis, contact Miles Lubricants LLC.

IMPORTANT NOTICE

The information contained in this Product Data Sheet is provided as technical guidance for the product described.

Product users are responsible for evaluating the suitability, compatibility, performance, safety, and regulatory compliance of Miles® Odorless Mineral Spirits for their intended application.

The Product Data Sheet does not replace the applicable Safety Data Sheet (SDS). Users should review the current SDS before handling or using the product.

DISCLAIMER

Technical information and product characteristics contained herein are based on information believed to be reliable. Product properties may vary within established specification limits.

Miles Lubricants LLC makes no representation or warranty regarding the suitability of this product for any particular application. Users are responsible for determining appropriate use and compliance with applicable laws, regulations, and industry requirements.