

MILES® ODORLESS MINERAL SPIRITS (OMS)**Safety Data Sheet****SECTION 1: IDENTIFICATION**

Product Name: Odorless Mineral Spirits (OMS)

CAS No.: 64742-47-8 (hydrotreated light distillate, UVCB substance; may vary slightly by refiner)

Formula: Complex hydrocarbon mixture (no single formula)

Recommended Use: Industrial cleaning solvent, carrier fluid, degreasing

Supplier: Miles Lubricants LLC

Emergency Telephone: CHEMTREC 1-800-424-9300 (US)

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification: Asp. Tox. 1

Signal Word: Danger

Hazard Statements: H304 – May be fatal if swallowed and enters airways.

Precautionary Statements: P301+P310+P331, P331, P405, P501

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hydrotreated Light Petroleum Distillate (OMS), CAS 64742-47-8: ≥99%

SECTION 4: FIRST-AID MEASURES

Eye Contact: Flush with water 15+ minutes if irritation occurs.

Skin Contact: Wash with soap and water.

Inhalation: Move to fresh air.

Ingestion: Do NOT induce vomiting — aspiration hazard. Seek immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Dry chemical, CO₂, foam, water fog.

Special Hazards: Combustible liquid; do not use straight water stream.

Firefighter PPE: SCBA for enclosed-space or large fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Eliminate ignition sources. Ventilate area. Absorb with inert material; avoid discharge to sewers/waterways.

SECTION 7: HANDLING AND STORAGE

Store in tightly closed containers, cool/well-ventilated area, away from heat/ignition sources. Ground/bond containers during bulk transfer.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: ACGIH TLV (TWA) 100 mg/m³ (mineral spirits, general guidance — confirm current value).

Engineering Controls: Adequate ventilation.

PPE: Chemical splash goggles; nitrile gloves; respirator if exposure limits may be exceeded.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid | **Odor:** Practically odorless

Boiling Range: ~177–204°C (350–400°F) | **Flash Point:** ~60–66°C (140–150°F)

Specific Gravity: ~0.76–0.79 | **Vapor Pressure:** Low (<1 mm Hg @ 20°C)

Solubility in Water: Negligible

SECTION 10: STABILITY AND REACTIVITY

Stable under normal conditions. Avoid heat, open flame, strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

Primary hazard is aspiration into lungs if swallowed, which can cause chemical pneumonitis. Prolonged skin contact may cause defatting/irritation. Not classified as a carcinogen (per regulatory summary — benzene, toluene, and other aromatics below limit of detection).

SECTION 12: ECOLOGICAL INFORMATION

Not expected to be readily biodegradable; low water solubility limits aquatic bioavailability.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose per local/state/federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated for ground transport in small containers if flash point $>60^{\circ}\text{C}$, per typical OMS classification; confirm with current shipping paper based on actual flash point of supplied lot.

SECTION 15: REGULATORY INFORMATION

Listed on TSCA. Not intended for food-contact use unless independently certified.

SECTION 16: OTHER INFORMATION

This SDS is a general reference compilation and does not replace the manufacturer's Miles Lubricants LLC's officially issued, lot-specific SDS.