



MATERIAL SAFETY DATA SHEET

MSDS-0179
TRC III
REV. DATE: 5/4/93

SECTION 1 - IDENTIFICATION

PRODUCT (TRADE) NAME: Mineral Oil

CHEMICAL FAMILY:

SUPPLIER: OMEGA ENGINEERING INC.
PO BOX 4047
STAMFORD, CT 06907

DATE PREPARED: 8/16/91
SUPERSEDES:

TELEPHONE: (203) 359-1660

SECTION 2 - SUBSTANCE IDENTIFICATION

Substance: Mineral Oil USP CAS #: 8042-47-5 RTECS: PY8030000

Other Names: White Mineral Oil, USP

Mineral Oil is a mixture of liquid hydrocarbons obtained from petroleum. It may contain a suitable stabilizer. The mineral oil for which this MSDS has been prepared is a highly refined product.

Molecular Formula: Not Applicable MW: Not Applicable

SECTION 3 - COMPONENTS

Substance	%	Hazard	Exposure Limit
Mineral Oil	100	Mild eye irritant	5 mg/m ³ oil mist (TLV TWA: PEL-TWA) 10 mg/m ³ il mist (TLV-STEL)

SECTION 4 - PHYSICAL DATA

Appearance: Clear, colorless oily liquid Odor: Odorless
Melting Point: Not Applicable Vapor Pressure: <1 mm Hg at 70°F
Boiling Point: 655°F (will boil over a temperature range)
Specific Gravity: 0.88 is typical (can range from 0.845 to 0.905)

Solubility: Soluble in hydrocarbons, benzene, chloroform, ether, carbon disulfide, and petroleum ether.
Insoluble in water and alcohol.



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SECTION 5 - FIRE AND EXPLOSION DATA

Flash Point: 420°F

Flammability Limits: not available

Extinguishing Media: Use dry chemical, foam, or carbon dioxide.

As with all fires, evacuate personnel to safe area. When this material is involved in a fire, firefighters should wear a self-contained breathing apparatus and full protective clothing. Use water to keep fire-exposed containers cool. Fight fire from maximum safe distance. Divert runoff to a safe area.

SECTION 6 - REACTIVITY DATA

Stability: Stable under normal conditions.

Hazardous Polymerization: Will not occur.

Decomposition: Thermal decomposition or burning may produce noxious products including: CO, CO₂.

Incompatibility: This product can react violently with chlorine, oxygen, and other oxidizing agents.

SECTION 7 - SPILL, LEAK & DISPOSAL PROCEDURES

Spill: Wearing suitable protective clothing, absorb liquid onto appropriate absorbent material and place into a container for disposal. Wear Latex gloves and eye protection as a minimum precaution. Additional protective clothing/equipment may be needed depending on the extent of the spill. Ventilate and decontaminate the spill area after material has been picked up.

Disposal: Dispose of in accordance with all local, State and Federal regulations or with the regulations of the country in which the material is used.

SECTION 8 - HEALTH EFFECTS & FIRST AID

Exposure Limits: TLV-TWA, PEL-TWA, = 5 mg/m³ mineral oil mist;
TLV-STEL = 10 mg/m³ mineral oil mist

Routes of Entry:

Oral: No information.

Dermal: No information.

Inhalation: This product is a liquid and under normal conditions of use is not an inhalation hazard. Caution should be taken, however, to prevent aerosolization or misting of this product. This substance can be inhaled into lung when in the form of an aerosol or mist.



SECTION 8 - HEALTH EFFECTS & FIRST AID (CONT'D)

Symptoms of Exposure:

Oral Route: Mineral oil is essentially non-toxic after ingestion, unless aspiration occurs (see Inhalation Route). This product, however, does have laxative properties and ingestion may result in abdominal cramps and diarrhea.

Inhalation Route: Under normal conditions, this liquid product is not an inhalation hazard. However, mineral oil aerosol or mist may be inhaled into the lungs. Exposure to a large single dose, or repeated small doses of mineral oil by inhalation, aspiration, or ingestion followed by aspiration can lead to lipid pneumonia, or to low-grade, chronic, localized tissue reactions termed lipid granuloma. Shortness of breath and cough are the most common symptoms.

Dermal Route: This product is not expected to cause any skin irritation upon direct single or repeated and prolonged contact. However, mild dermal irritation was observed when products similar in chemical composition were applied to the skin of laboratory animals. Use gloves and protective clothing. Additional protective clothing may be needed when handling large quantities of this product or if the potential for splashing exists.

Eye Contact: This product is mildly irritating to the eye upon direct contact. Goggles should be worn when handling large quantities of this product.

Medical Conditions Aggravated: Chronic respiratory disease.

Carcinogen Lists: IARC: No NTP: No OSHA: No

The International Agency for Research on Cancer (IARC) has concluded that highly refined mineral oils are Group 3 substances, "not classifiable as to their carcinogenicity in humans", based on inadequate human and inadequate animal evidence. IARC has also concluded that there is no evidence for the carcinogenicity to experimental animals of white oils when administered by routes other than intraperitoneal injection. **TOXICITY:**

Acute oral LD50 (mouse) = 22,000 mg/kg

First Aid for Overexposure

Eye Contact: Flush with large amounts of water for 15–20 minutes.

Skin Contact: Wash with soap and water for 15–20 minutes.

Ingestion: Do not induce vomiting. Get medical attention immediately.

Inhalation: Remove to fresh air; if difficulty in breathing administer oxygen. If a person is not breathing artificial respiration can be attempted. Get medical attention immediately.

SECTION 9 - SPECIAL PROTECTION INFORMATION

Personnel who handle this solution in a manufacturing facility should wear protective clothing, including impermeable gloves and eye protection. If there is potential for splashing, additional protective clothing may be appropriate. If vapor or mist is generated when the material is heated or handled, use a NIOSH-approved respirator with a dust/mist filter. Personnel who frequently handle this solution in a non-manufacturing setting (e.g. at a clinical facility) should wear impermeable gloves and eye protection.



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SECTION 10 - SPECIAL PRECAUTIONS & COMMENTS

Persons who are allergic to this substance should avoid contact with it.

This material safety data sheet is intended for use by personnel who handle this material as part of their job responsibilities. It does not address the therapeutic use of this material. Information concerning the therapeutic use of this material should be obtained from formulated product package inserts and other appropriate references.

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