

MATERIAL SAFETY DATA SHEET

MINERAL OIL

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SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS

PRODUCT: Mineral Oil USP

SYNONYMS: White Oil, Mineral Oil No. 21, Mineral Oil Heavy, Liquid Petrolatum

MOLECULAR FORMULA: N/A MOLECULAR WEIGHT: N/A

CHEMICAL FAMILY: N/A

<u>INGREDIENT (CAS #)</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
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Mineral Oil No. 21 (8042-47-5)	100	5 mg/m ³ (mist)	5 mg/m ³ (mist)
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SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: N/A VAPOR PRESSURE: N/A

MELTING POINT: N/A VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 0.84-0.90 (WATER = 1) EVAPORATION RATE: N/A (BUTYL ACETATE = 1)

WATER SOLUBILITY: Insoluble WATER REACTIVE: No.

APPEARANCE AND ODOR: Clear, colorless, oily liquid. Odorless when cold and has not more than a slight odor of petrolatum when heated.

SECTION 3 - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): 370°F (COC) AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus should be worn by fire fighters.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Will emit carbon dioxide, carbon monoxide, and various other hydrocarbon derivatives when heated to decomposition (such as under fire conditions).

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable (X) Unstable ()

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Will emit carbon dioxide, carbon monoxide, and other hydrocarbon derivatives when heated to decomposition.

HAZARDOUS POLYMERIZATION: May Occur () Will Not Occur (X)

SECTION 5 - HEALTH HAZARD DATA

TOXICITY: STEL (ACGIH): 10 mg/m³ (mist)
TLV (ACGIH): 5 mg/m³ (mist)
PEL (OSHA): 5 mg/m³ (mist)

NOTE: Aspiration or prolonged ingestion can cause lipid pneumonia. If absorbed or injected into the skin granulomatous reactions (inflammatory reactions characterized by granular-like or nodular lesions) may develop at the site or in the lymph tissues.

CARCINOGEN LISTED BY: NTP Yes () No (X)
IARC Yes () No (X)
OSHA Yes () No (X)
Other Yes () No (X)

ROUTES OF ENTRY: Ingestion, inhalation, absorption.

HEALTH HAZARDS:

ACUTE: May cause eye, skin and or respiratory tract irritation. Ingestion could cause gastric upset, nausea, stool softening and diarrhea.

CHRONIC: Prolonged use can result in dependence on laxatives, anal irritation, and/or pneumonitis.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Possible irritation of the eyes, skin, respiratory tract or gastrointestinal tract.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Diarrhea, stool softening, dependence on laxatives, gastrointestinal irritability.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Seek medical attention immediately.

EYE CONTACT: Flush with water for 15 minutes. If irritation develops seek medical attention.

SKIN CONTACT: Wash with soap and water. If irritation develops seek medical attention.

INGESTION: Seek medical assistance or contact a poison control center immediately.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION: Approved mist respirator if possibility exists for generation of airborne mist.

PROTECTIVE GLOVES: Rubber or latex recommended.

EYE PROTECTION: Safety glasses or goggles recommended. Avoid wearing contact lenses when working with this or any chemical due to the possibility of increased severity of eye injury.

VENTILATION: Explosion-proof local or mechanical ventilation recommended if airborne mists are generated.

OTHER PROTECTIVE EQUIPMENT: Appropriate laboratory apparel.

HYGIENIC WORK PRACTICES: Wash exposed skin areas after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke near this material.

SECTION 7 - HANDLING AND STORAGE PRECAUTIONS

HANDLING PRECAUTIONS: Avoid inhalation of mist if generated. Wash exposed skin areas after handling. Wash any contaminated clothing before reuse.

STORAGE PRECAUTIONS: Avoid exposure to light and excessive heat.

OTHER PRECAUTIONS: None.

SECTION 8 - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE: Wear protective equipment (gloves, goggles, mist respirator) and contain spill with absorbent material. Mop up spillage with absorbent material and place in a tight container for disposal. Wash spill area with soap and water and ventilate.

WASTE DISPOSAL METHOD: Incinerate or landfill according to all local, state, federal and environmental regulations.

SECTION 9 - DISCLAIMER

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DEFINITIONS OF ABBREVIATIONS USED:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service

IARC: Internal Agency for Research on Cancer

IDLH: Immediately Dangerous to Life or Health level

LD50: Median Lethal Dose

N/A: Not available

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value