



WHITE MINERAL OIL

**MATERIAL DATA SAFETY SHEET
(MSDS)****SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Trade name:** WHITE MINERAL OIL**CAS #:** 8042-47-5**Synonym:** LIGHT LIQUID PARAFFIN**Contact information:**

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SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT	CAS #	% BY WEIGHT
WHITE MINERAL OIL	8042-47-5	100

SECTION 3: HAZARD IDENTIFICATION AND FIRST AID MEASURES**Potential Health Effects:****Skin:** Not known to be a skin irritant. No harmful effects from skin absorption have been reported.**Eye:** Not known to be an eye irritant.**Inhalation (Breathing):** No harmful effects reported.**Ingestion (Swallowing):** No harmful effects reported from ingestion.**Signs and Symptoms:** Effects of overexposure may include irritation of the nose and throat, irritation of the digestive tract and diarrhea.**Cancer:** No evidence of cancer has been demonstrated in several well conducted animal studies.**Target Organs:** No data available for this material.**Developmental:** No data available for this material.**Pre-Existing Medical Conditions:** None Known.**Eye:** If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.**Skin:** First aid is not normally required. However, it is good practice to wash any chemical from the skin.**Inhalation (Breathing):** First aid is not normally required. If breathing difficulties develop, move victim away from source of exposure and into fresh air. Seek immediate medical attention.



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Ingestion (Swallowing): First aid is not normally required; however, if swallowed and symptoms develop, seek medical attention.

Note To Physicians: Acute aspirations of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

SECTION 4: FIRE FIGHTING MEASURES

Flammable Properties:

Flash Point : >200°C ASTM D-92(COC)
OSHA Flammability Class : Not applicable
LEL/UEL% : No Data
Autoignition Temperature : > 250 C

Unusual Fire & Explosion Hazards: This material may burn, but will not ignite readily. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.

Extinguishing Media: Dry chemical, carbon dioxide, foam, or water spray is recommended. Water or foam may cause frothing of materials heated above 212°F. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant.

Isolate immediate hazard area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk.

Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.



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Section 5: ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear suitable protective equipment.

Environmental precautions:

Avoid runoff to sewers or waterways. Dike area of spill to prevent spreading and pump liquid to salvage tank.

Waste: avoid washing into watercourses. Use methods consistent with local regulations or incinerate.

Methods for cleaning up:

Dike to contain spill. Absorb on inert material such as sand, earth, vermiculite. After cooling, scrape and/or shovel material. Stop the leak if it can be done without risk. Floor may be slippery; use care to avoid falling.

Section 6: HANDLING AND STORAGE

Handling:

Do not handle at temperatures $>+40^{\circ}\text{C}$, unless wearing appropriate protective equipment.

Ventilation

General (mechanical) room ventilation is expected to be satisfactory for use at room temperature.

Storage:**Storage requirements**

Keep away from heat, sparks and flame. Do not store at temperatures: $>+40^{\circ}\text{C}$ without proper safety review of storage equipment. Store protected from light.

Section 7: EXPOSURE CONTROL AND PERSONAL PROTECTION

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required.

Personal Protective Equipment (PPE):

Respiratory: A certified air purifying respirator may be used in conjunction with an organic vapor cartridge under conditions where airborne concentrations are expected to exceed exposures limits. Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a NIOSH approved self-contained breathing apparatus (SCBA) or equivalent operated in a pressure demand or other positive pressure mode if there is potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's



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use.

Skin: Not required based on the hazards of the material. However, it is considered good practice to wear gloves when handling chemicals.

Eye/Face: While contact with this material is not expected to cause irritation, the use of approved eye protection to safeguard against potential eye contact is considered good practice. Other Protective Equipment: A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed. Suggestions for the use of specific protective materials are based on readily available published data. Users should check with specific manufacturers to confirm the performance of their products.

Section 8: PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

Appearance:	Transparent, water-white
Physical State:	Liquid
Odor:	Odorless
Ph:	NEUTRAL
Vapor Pressure (mm Hg):	1
Boiling Point/Range:	290°C (approximate)
Freezing/Melting Point:	< -12 C
Solubility in Water:	Insoluble
Specific Gravity:	0.820-0.890
Evaporation Rate (nBuAc=1):	200°C ASTM D-92(COC)

Section 9: STABILITY AND REACTIVITY

Stability:

Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions To Avoid: Avoid all possible sources of ignition.

Hazardous Decomposition Products: carbon, nitrogen and sulfur oxides

Hazardous Polymerization: Will not occur.

Materials to Avoid (Incompatible Materials): Avoid contact with strong oxidizing agents.



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Section 10: TOXICOLOGICAL INFORMATION

GENERAL

No evidence of harmful effects from available information.

Non Carciogenic. PCA Content is less than 100ppm, it is pharmaceutical grade white mineral so toxicity is not expected.

Section 11: ECOLOGICAL INFORMATION

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

Section 12: DISPOSAL CONSIDERATION

Dispose of in accordance with appropriate Federal, State and local regulations or incinerate.

Section 13: TRANSPORT INFORMATION

Proper Shipping Name: Not regulated by DOT

Hazard Class: Not Applicable

DOT ID No.: Not Applicable

DOT Shipping Label: Not regulated by DOT

Note: Material is unregulated unless in container of 3500 gal or more then provisions of 49 CFR Part 130 apply for land shipment.

Section 14: REGULATORY INFORMATION

EPA SARA 311/312 (Title III Hazard Categories):

CERCLA / SARA

302/303/304 Categories: Extremely Hazardous Substances No
(40 CFR 355 Appendix A)

311/312 Categories: Immediate (Acute) Health Effects No
(40 CFR 370): Delayed (Chronic) Health Effects No

: Fire Hazard No

: Sudden Release of Pressure Hazard No

: Reactivity Hazard No

313 Categories: Toxic Chemicals (40 CFR 372) No

Clean Air Act: Hazardous Air Pollutants (HAPS) No



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: Ozone Depleting Compounds (ODC) No

(40 CFR 116; 401.15): Reportable Quantity = Oil Sheen present on navigable water surface OSHA

(29 CFR 1910): This product is not hazardous under Hazard Communication Standard 29 CFR 1910.1200

RCRA (40 CFR 261.33): This product does not meet hazardous waste criteria. EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

Section 15: OTHER INFORMATION

Disclaimer of Expressed and Implied Warranties:

The information presented in this Material Safety Data Sheet is based on data believed to be accurate as of the date this Material Safety Data Sheet was prepared. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.