

## LIGHT LIQUID PARAFFIN (WHITE MINERAL OIL)

## MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME : Light Liquid Paraffin  
SYNONYMS : KAR LIQUID PARAFFIN LIGHT

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %
C17-C26 Paraffins	90622-46-1	100

See Section 8 for Exposure Guidelines and Section 15 for OSHA Classification

## 3. HAZARDS IDENTIFICATION

**Emergency Overview**

Water white, oily liquid. Mild hydrocarbon odor.

HEALTH HAZARD: MAY CAUSE EYE OR SKIN IRRITATION. High vapor concentrations may cause headache, stupor, dizziness, or irritation of throat and eyes.

**Potential Health Effects**

EYES : Irritation may occur with exposure to concentrated vapors or contact with product.  
SKIN : Repeated or prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis). Normal care and personal hygiene should prevent skin effects.  
INHALATION : Exposure to high concentration of vapors may result in headache and stupor.  
INGESTION : Lung exposure to this product either by prolonged breathing of a mist or vomiting following ingestion, can lead to serious lung injury and possibly death.

**LIGHT LIQUID PARAFFIN (WHITE MINERAL OIL)**

(See section 11 for Toxicological Information).

**4. FIRST AID MEASURES**

- EYES** : Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.
- SKIN** : Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash affected area with mild soap. Call a physician if irritation occurs.
- INHALATION** : Remove to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Oxygen should only be administered by trained personnel.
- INGESTION** : DO NOT INDUCE VOMITING. Seek medical advice immediately.

**5. FIRE FIGHTING MEASURES****Flammable Properties**

- FLASH POINT / METHOD** : 300°F (150° C) / PM, Min.
- AUTOIGNITION TEMPERATURE** : 500°F (250° C)
- FLAMMABLE LIMITS IN AIR % BY VOLUME:** None Expected.
- FIRE AND EXPLOSION HAZARD** : None Expected.
- FIRE FIGHTING INSTRUCTIONS** : Water spray, carbon dioxide, dry chemical, or alcohol compatible foam is recommended.

**6. ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IN CASE OF A SPILL OR LEAK:**

Evacuate the area and eliminate all sources of ignition. Contain the spill if possible. Material may be picked up with a solid sorbent. Dispose of only in accordance with local, state, and federal regulations.

**CERCLA HAZARDOUS SUBSTANCE:**

<b>Component</b>	<b>CERCLA RQ</b>	<b>Maximum Wt. %</b>
------------------	------------------	----------------------

Contains no chemicals on the CERCLA Hazardous Substance List.

**LIGHT LIQUID PARAFFIN (WHITE MINERAL OIL)****7. HANDLING AND STORAGE****ELECTROSTATIC ACCUMULATION HAZARD:**

Yes – ground all equipment.

**USUAL SHIPPING CONTAINERS:**

Tank cars, tank trucks.

**STORAGE / TRANSPORT TEMPERATURE:**

Ambient. (Product will freeze at 18° F (-8° C))

**STORAGE / TRANSPORT PRESSURE:**

Ambient. (Product will freeze at 18° F (-8° C))

**LOAD / UNLOAD TEMPERATURE:**

Ambient, above freezing point. (Product will freeze at 18° F (-8° C))

**STORAGE AND HANDLING MATERIALS:**

Carbon steel is suitable.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Engineering Controls**

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines of this section). Mechanical ventilation may be necessary if working with this product in enclosed areas and at elevated temperatures.

**Personal Protective Equipment**

**EYES** : When contact with liquid is possible, use a face shield and chemical goggles. Otherwise use safety glasses or goggles.

**SKIN** : Chemical gloves should be worn to prevent repeated contact. If potential for significant exposure to liquid exists, use full protective clothing and chemical boots.

**RESPIRATORY PROTECTION:**

NIOSH-approved organic vapor air-purifying respirator, self contained breathing apparatus, or air supplied respirators dependent on concentration.

## LIGHT LIQUID PARAFFIN (WHITE MINERAL OIL)

### Exposure Guidelines:

No exposure limit has been set for exposure to vapors for this product. However, Lamplight and its suppliers recommend the ACGIH/OSHA/NIOSH – recommended limit of 5 mg/m<sup>3</sup> (8-hour TWA) for exposure to mists of this product.

Component	OSHA PEL	ACGIH TLV
-----------	----------	-----------

None Established.

PEL = Permissible Exposure Limits  
TLV = Threshold Limit Value

TWA = Time Weighted Average (8hr.)  
STEL = Short Term Exposure Limit (15 min.)

### Carcinogenicity

No carcinogenic ingredients.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

### APPEARANCE:

Water white, oily liquid

### ODOR:

Mild hydrocarbon odor.

### VAPOR PRESSURE (mm Hg.).

0.05 @ 68° F (20° C).

### VAPOR DENSITY (Air=1).

7 - 8

### SOLUBILITY IN WATER:

Immiscible

### VISCOCITY:

7.5-100.0 cst @ 104° F (40° C).

### PHYSICAL STATE:

Liquid.

### BOILING POINT:

536 - 662° F (280 – 350° C).

### MELTING POINT:

(-22)-27° F ((-30)- (-3) ° C).

### SPECIFIC GRAVITY (H<sub>2</sub>O = 1):

0.82 @ 60°F/60°F (16°C/16°C) min.

---

## 10. STABILITY AND REACTIVITY

---

### CONDITIONS TO AVOID:

High Temperatures.

### INCOMPATIBILITY WITH OTHER MATERIALS:

Strong Oxidizers.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compound.

### HAZARDOUS POLYMERIZATION:

Stable.

**LIGHT LIQUID PARAFFIN (WHITE MINERAL OIL)****11. TOXICOLOGICAL INFORMATION****EYES:**

**Primary Eye Irritation Index (Rabbits):** 5.7 for non-washed eyes after 1 hour, 6 for washed eyes after 1 hour. (Maximum score is 110).

**SKIN:**

**Acute Dermal LD50 (Rabbits):** >2 g/kg

**Primary Skin Irritation Index (Rabbits):** 4.4 (Maximum score is 8.0)

**INHALATION:**

**LC50 (Rats):** >5.8 mg/l (nominal) with four-hour exposure.

**INGESTION:**

**Acute Oral LD50 (Rat):** > 5 g/kg.

**12. ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL INFORMATION : Not Available.

CHEMICAL FATE INFORMATION : Not Available.

**13. DISPOSAL CONSIDERATIONS****SPECIAL INSTRUCTIONS:**

Evacuate the area and eliminate all sources of ignition. Contain the spill if possible. Material may be picked up with solid sorbent. Dispose of only in accordance with local state, and federal regulations.

**WASTE CLASSIFICATION:**

If discarded in its purchased form, this product is not a RCRA hazardous waste. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transforms, and mixtures may change the classification.

**EMPTY CONTAINERS:**

Empty containers retain product residue (liquid and/or vapor) can be dangerous. DO NOT PRESSURIZE, CUT WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioned, or properly disposed of.  
(See Section 6 for CERCLA Reporting Requirements).

**LIGHT LIQUID PARAFFIN (WHITE MINERAL OIL)****14. TRANSPORT INFORMATION****DOT DESCRIPTION:**

This product is not a hazardous material according to DOT regulations for ground transportation.

**ICAO / IATA DESCRIPTION:**

This product is not a dangerous good as defined by IATA for air transportation.

**IMO DESCRIPTION (IMDG CODE):**

This product is not a dangerous good as defined by IMO in the IMDG Code for water transportation.

**15. REGULATORY INFORMATION****U.S. Federal Regulations****OSHA HAZARD COMMUNICATION STANDARD CLASSIFICATION:**

Non-hazardous as defined by the OSHA Hazard Communication Standard.

**TSCA INVENTORY LISTING:**

<u>Component</u>	<u>CAS Number</u>
Alkanes (C17-C26)	90622-46-1

**SARA 302 STATUS**

<u>Component</u>	<u>CAS Number</u>	<u>Maximum Wt. %</u>
Contains no chemicals subject to SARA 302 reporting.		

**SARA 311/312 CLASSIFICATION:**

Non-hazardous according to SARA 311/312.

**SARA 313 CHEMICALS:**

<u>Component</u>	<u>CAS Number</u>	<u>Maximum Wt. %</u>
Contains no chemicals subject to SARA 313 reporting.		

(See Section 6 for CERCLA Reporting Requirements.)

**LIGHT LIQUID PARAFFIN (WHITE MINERAL OIL)****International Regulations**

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

## CLASSIFICATION:

This material is not a controlled product as defined by Canada's Workplace Hazardous Materials Information System (WHMIS).

**State Regulations**

CALIFORNIA SAFE DRINKING WATER ACT (PROP 65) LISTING:

**Component                      CAS Number**

\*\*No ingredients listed in this section\*\*

CALIFORNIA AIR RESOURCES BOARD Title 17, Article 2, Section 94510 Consumer Products:

This product is VOC exempt by 94510 (d)(1) as it has a vapor pressure below 0.1 mm Hg at 20°C.

**16. OTHER INFORMATION**

Hazard Ratings	NFPA	HMIS
Health:	1	1
FLAMMABILITY:	1	1
REACTIVITY:	0	0