



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name:

SUNPAR LW 107

Jaw lube

Manufacturer Information:

Sunoco, Inc. (R&M)
Ten Penn Center
1801 Market Street
Philadelphia, Pennsylvania, 19103-1699

Product Use:

Process Oil

Emergency Phone Numbers:

Chemtec (800) 424-9300
Sunoco Inc. (800) 964-8861

Information:

Product Safety Information (610) 859-1120

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount (Vol%)
SEVERELY SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM OIL	64741-89-5	100 - 100

EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSURE LIMITS)

	CAS No.	Governing Body	Exposure Limits
Limit for the product		ACGIH	TWA 5 mg ^h /m ³

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Danger! May cause skin irritation. Harmful or fatal if swallowed. Pulmonary aspiration hazard. Product may enter lungs and cause damage.

Hazards Ratings:

Key: 0 = least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

	Health	Fire	Reactivity	PPI
NFPA	0	1	0	
HMIS	0	1	0	X

- **POTENTIAL HEALTH EFFECTS**

- **PRE-EXISTING MEDICAL CONDITIONS**

The following diseases or disorders may be aggravated by exposure to this product: Skin, Respiratory system, Lung (asthma-like conditions),

- **INHALATION**

Excessive exposure to mists or vapors generated by heat may cause irritation to eyes, nose, throat, lungs and respiratory tract.

LC50 (mg/l): no data
LC50 (mg/m3): no data
LC50 (ppm): no data

- **SKIN**

Practically non-toxic if absorbed through the skin. May cause mild to moderate skin irritation with prolonged and repeated contact.

Draize Skin Score: 2.62 Out of 8.0
LD50 (mg/kg): > 5,000

- **EYES**

Non-irritating to the eyes.

- **INGESTION**

Practically non-toxic if ingested. Product may be harmful or fatal if swallowed. Material is a pulmonary aspiration hazard. Material can enter lungs and cause damage.

LD50 (g/kg): > 30

4. FIRST AID MEASURES

- **INHALATION**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get immediate medical attention.

- **SKIN**

Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing. Wash clothing before reuse.

- **EYES**

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

- **INGESTION**

Do not induce vomiting! Do not give liquids! Get medical attention immediately.

5. FIRE FIGHTING MEASURES

- **EXTINGUISHING MEDIA**

Water spray Regular foam Dry chemical Carbon dioxide

- **FIRE FIGHTING INSTRUCTIONS**

Wear structural fire fighting gear. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

FLAMMABLE PROPERTIES

	Typical	Minimum	Maximum	Text Result	Units	Method
Flash Point				342 MINIMUM COC	F	N/A
Autoignition Temperature				650 ESTIMATED	F	N/A
Lower Explosion Limit				no data	%	N/A
Upper Explosion Limit				no data	%	N/A

6. ACCIDENTAL RELEASE MEASURES

Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Use appropriate personal protective equipment as stated in Section 8 of this MSDS. Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

7. HANDLING AND STORAGE

- **HANDLING**
Avoid breathing (dust, vapor, mist, gas). Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling.
- **STORAGE**
NFPA class IIIIB storage. Flash point is greater than 200 degrees F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult With a Health and Safety Professional for Specific Selections

- **ENGINEERING CONTROLS**
Use with adequate ventilation. Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Mechanical ventilation recommended.
- **PERSONAL PROTECTION**
 - **EYE PROTECTION**
Safety glasses (with side shields) recommended. Splash proof chemical goggles or full face shield recommended to protect against splash of product.
 - **GLOVES or HAND PROTECTION**
The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Protective gloves are recommended to protect against contact with product. Polyvinyl chloride (PVC); Neoprene; Nitrile; Polyvinyl alcohol; Viton;
 - **RESPIRATORY PROTECTION**
Concentration in air determines the level of respiratory protection needed. Use only NIOSH certified respiratory equipment. Respiratory protection is not usually needed unless product is heated or misted.. Half-mask air purifying respirator with dust / mist filters or HEPA filter cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with dust / mist filters or HEPA filter cartridges is acceptable for exposures to fifty (50) times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator or SCBA for exposures greater than fifty (50) times the exposure limit. If exposure is above the IDLH (Immediately Dangerous to Life and Health) or there is the possibility of an uncontrolled release, or exposure levels are unknown, then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA. Wear a NIOSH/MSHA-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

- OTHER**
 Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required. Polyvinyl alcohol (PVA); The following materials are acceptable for use as protective clothing: Polyvinyl chloride (PVC); Neoprene; Nitrile; Viton; Polyurethane; Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Remove contaminated clothing and wash before reuse. For non-fire emergencies, respiratory protection may be necessary and wear appropriate protective clothing to avoid contact with material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Property	Typical	Units	Text Result	Reference
Appearance		N/A	COLORLESS LIQUID	
Boiling Point		F	no data	
Bulk Density		lb/gal	no data	
Melting Point		F	no data	
Molecular Weight		g/mole	no data	
Octanol/Water Coefficient		N/A	no data	
pH		N/A	no data	
Specific Gravity	0.86	N/A		
Solubility In Water		wt %	NIL	
Odor		N/A	LITTLE ODOR	
Odor Threshold		ppm	no data	
Vapor Pressure	0.0008	mmHg		@ 20 C
Viscosity (F)	68	SUS		@ 100F
Viscosity (C)	11.6	CsT		@ 40 C
% Volatile		wt %	NIL	

10. STABILITY AND REACTIVITY

- STABILITY**
 Stable
- CONDITIONS TO AVOID**
 Avoid heat, sparks and open flame.
- INCOMPATIBILITY**
 Strong oxidizers
- HAZARDOUS DECOMPOSITION PRODUCTS**
 Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.
- HAZARDOUS POLYMERIZATION**
 Will not polymerize.

11. ECOLOGICAL INFORMATION

No data available

12. DISPOSAL CONSIDERATIONS

Follow federal, state and local regulations. This material is not a RCRA hazardous waste, if not contaminated. If material has been "used", RCRA criteria (ignitability, reactivity, corrosivity and toxicity) must be determined. Do not flush material to drain or storm sewer. Contract to authorized disposal service.

13. TRANSPORT INFORMATION

<u>Governing Body</u>	<u>Mode</u>	<u>Proper Shipping Name</u>
DOT	Ground	Petroleum Lubricating Oil

<u>Governing Body</u>	<u>Mode</u>	<u>Hazard Class</u>	<u>UN/NA No.</u>	<u>Label</u>
DOT	Ground	N/A	N/A	Not Regulated

14. REGULATORY INFORMATION

<u>Regulatory List</u>	<u>Component</u>	<u>CAS No.</u>
Inventory - Canada - Domestic Substances List	SEVERELY SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM OIL	64741-89-5
Inventory - European EINECS Inventory	SEVERELY SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM OIL	64741-89-5
Inventory - Korea - Existing and Evaluated	SEVERELY SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM OIL	64741-89-5
Inventory - TSCA - Sect. 8(b) Inventory	SEVERELY SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM OIL	64741-89-5
Massachusetts Right To Know List	SEVERELY SOLVENT REFINED LIGHT PARAFFINIC PETROLEUM OIL	64741-89-5

Title III Classifications Sections 311,312:

- Acute: **YES**
- Chronic: **NO**
- Fire: **NO**
- Reactivity: **NO**
- Sudden Release of Pressure: **NO**

15. OTHER INFORMATION

Limits for the product- 5mg/m3, Oil Mist Limit, (OSHA PEL/ACGIH TLV) WHMIS Classification: not controlled.
Please refer to the material safety data sheet for complete information.