



SAFETY DATA SHEET
LPS® FOODLUBE Penetrating Oil (Bulk)

Revision Date: April 2, 2015

Supersedes: October 17, 2012

Section 1 • Product and Company Identification

Product Name: LPS® FOODLUBE Penetrating Oil (Bulk)

Part Number(s): 57328, 57301

Chemical Name: Polyalphaolefin Mixture

Product Use: A lubricant designed to displace moisture from mechanical and electrical equipment and provide a light-duty lubrication in food processing applications.

Manufacturer Information: LPS Laboratories, 4647 Hugh Howell Road, Tucker, GA, USA 30084
TEL: USA & Canada: 1 800 241-8334
 Outside USA and Canada: +1 770 243-8800
FAX: USA & Canada: 1 800 543-1563
 Outside USA and Canada: +1 770 243-8899

Emergency Telephone Number: Chemtrec: USA & Canada: 1 800 424-9300
 Outside USA and Canada: +1 703 527-3887

Website: <http://www.lpslabs.com>

Section 2 • Hazards Identification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Hazard Level	GHS Hazard Level	Hazard Statement
Aspiration Hazard	1	H304 - May be fatal if swallowed and enters airways
Skin Corrosion / Irritation	3	H316 - Causes mild skin irritation.

Signal Word:
DANGER

GHS Symbols:



Precautionary Statements

Prevention None

Response IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice / attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or a doctor / physician. Rinse mouth. Do not induce vomiting. [P302, P352, P332, P313, P362, P305, P351, P338, P304, P340, P301, P310, P330, P331]

Storage Store locked up. [P405]



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Disposal Dispose of contents/container in accordance with local / regional / national regulations. [P501]

Potential Chronic Health Effects:

Carcinogenic Effects: NTP: No IARC: No OSHA: No ACGIH: No

Mutagenic Effects: None

Teratogenic Effects: None

Target Organs: None

Medical conditions aggravated by exposure:

Persons with pre-existing central nervous system (CNS) disease, neurological conditions, skin disorders, chronic respiratory diseases, or impaired liver or kidney function should avoid exposure.

Signs and Symptoms

Stinging in eyes. Repeated or prolonged skin contact can cause redness, irritation, and scaling of the skin (dermatitis). Breathing of high vapor concentrations may cause headaches, stupor, irritation of throat and eyes, and kidney effects.

Section 3 • Composition / Information on Ingredients

Component	CASRN	Weight Percent
1-Decene, Dimer, Hydrogenated	68649-11-6	25 - 35%
1-Decene, Homopolymer, Hydrogenated	68037-01-4	25 - 35%
Naphtha (Petroleum), Hydrotreated Heavy	64742-48-9	20 - 30%
Distillates (Petroleum), Hydrotreated Light	64742-47-8	10 - 20%

Section 4 • First Aid Measures

Eyes: Check for and remove contact lenses. If irritation or redness develops, flush eyes with cool, clean, low pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. DO NOT use eye ointment. Seek medical attention immediately.

Skin: Remove contaminated shoes and clothing. Clean affected area thoroughly with mild soap and water. DO NOT use ointments. Seek medical attention if irritation persists.

Inhalation: Immediately move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). If breathing is difficult, seek medical attention immediately.

Ingestion: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. DO NOT leave victim unattended. Seek medical attention immediately.



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Section 5 • Fire Fighting Measures

Products of Combustion:	Carbon monoxide and carbon dioxide.		
General Fire Hazards:	Do not use on energized equipment. High heat will cause product to boil, evolving vapor that could cause explosive rupture of closed containers.		
Firefighting media:	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use CO2, water spray, fog or foam. Cool containing vessels with water jet in order to prevent pressure build-up, auto-ignition or explosions.		
Sensitivity to Impact:	None	Sensitivity to Static Discharge:	Yes
Protection Clothing (Fire):	Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. Evacuate area and fight the fire from a maximum distance or use unmanned hose holders or monitor nozzles.		

Special Remarks on Explosion Hazards:
Aerosols may explode upon heating, spread fire and overcome sprinkler systems.

Section 6 • Accidental Release Measures

Containment Procedures:	Small Spill and Leak:	Eliminate ignition sources. Absorb with an inert material and dispose of properly.
	Large Spill and Leak:	Eliminate ignition sources. Secure the area and control access. Dike far ahead of a liquid spill to ensure complete collection. Pick up free liquid for disposal using absorbent pads, sand, or other inert non-combustible absorbent materials. Place into appropriate waste containers for later disposal.
Clean-Up Procedures:	Recover free product and place in a suitable container for disposal.	
Evacuation Procedures:	Ventilate area of leak or spill. Keep unnecessary and unprotected people away.	
Special Procedures:	Remove all sources of ignition. Ventilate area. Wear personal protective equipment during cleanup.	

Section 7 • Handling and Storage

Handling:	After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing vapors or spray mists. Avoid skin and eye contact.
Storage:	Keep container closed and in a cool, well-ventilated area. Avoid all sources of ignition (spark or flame). Store below 120°F (49°C).

Precautions to be taken in handling and storage:
Keep container in a cool, well-ventilated area. Avoid breathing vapors.



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Section 8 • Exposure Controls / Personal Protection

Exposure Guidelines:

Component	CASRN	OSHA	ACGIH	NIOSH	Supplier
1-Decene, Dimer, Hydrogenated	68649-11-6	5 mg/m3 (oil mist) PEL	5 mg/m3 (oil mist) TLV	5 mg/m3 (oil mist) TLV	Not established
			10 mg/m3 (oil mist) STEL	10 mg/m3 (oil mist) STEL	
1-Decene, Homopolymer, Hydrogenated	68037-01-4	5 mg/m3 (oil mist) PEL	5 mg/m3 (oil mist) TLV	5 mg/m3 (oil mist) TLV	Not established
			10 mg/m3 (oil mist) STEL	10 mg/m3 (oil mist) STEL	
Naphtha (Petroleum), Hydrotreated Heavy	64742-48-9	5 mg/m3 (oil mist) PEL	5 mg/m3 (oil mist) TLV	5 mg/m3 (oil mist) TLV	Not established
			10 mg/m3 (oil mist) STEL	10 mg/m3 (oil mist) STEL	
Distillates (Petroleum), Hydrotreated Light	64742-47-8	5 mg/m3 (oil mist) PEL	5 mg/m3 (oil mist) TLV	5 mg/m3 (oil mist) TLV	Not established
			10 mg/m3 (oil mist) STEL	10 mg/m3 (oil mist) STEL	

Engineering Controls: Provide general and/or local exhaust ventilation to keep exposures below the exposure guidelines listed above.

Personal protective equipment

Eye protection: Safety glasses with side shields conforming to appropriate regulations. Eye wash fountain and emergency shower facilities are recommended.

Hand protection: Normally no hand protection is required; however, if product will be sprayed for an extended period, "overspray" onto skin may occur. If so, wear chemical resistant gloves conforming to appropriate regulations. Please observe the instructions regarding permeability and breakthrough time that are provided by the supplier of the gloves.

Respiratory protection: Typical use of this product under normal conditions does not require the use of respiratory protection. If airborne concentrations are above the applicable exposure limits (listed above), use NIOSH approved respiratory protection (i.e. organic vapor cartridge).

General Hygiene Considerations: Wash thoroughly after handling. Have eye-wash facilities immediately available.



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Section 9 • Physical and Chemical Properties

Appearance:	Liquid	Color:	Clear
Odor:	Characteristic	Evaporation Rate:	Not established
Solubility Description:	Not soluble in water	Flash Point:	60°C (140°F) - dispensed liquid
Initial boiling point and boiling range	> 170°C (338°F)	Flash Point Method:	Tag-Closed Cup
Specific Gravity (H₂O=1):	0.80 - 0.87 @ 20°C	Decomposition Temperature:	Not established
Vapor Density (air = 1):	> 1	Auto ignition temperature:	> 200°C (392°F)
Vapor Pressure:	<1.00 mm Hg @ 20°C	Flammable limits (estimated):	LOWER: 0.6% UPPER: Not established
Rule 1171 PPc:	Not applicable	Partition Coefficient (octanol/water):	< 1
V.O.C. Content:	Aerosol: Not applicable Bulk: 24.5%	Odor Threshold:	Not established
Melting Point:	Not established	Viscosity:	< 14 cSt @ 25°C
pH:	Not applicable	Volatiles:	20 - 30%
Heat of combustion:	Aerosol: Not applicable Bulk: > 30 kJ/g		

Section 10 • Stability and Reactivity

Chemical Stability:	Product is stable under recommended storage conditions.
Conditions to Avoid:	Keep away from heat and ignition sources. Avoid exposure to direct sunlight for extended periods and temperatures in excess of 122°F (50°C).
Incompatibility:	Extremely reactive or incompatible with oxidizing agents.
Hazardous Decomposition:	Combustion will generate smoke, possibly thick and choking, resulting in zero visibility and combustion products include carbon monoxide and carbon dioxide.
Hazardous Polymerization:	Will not occur.



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Section 11 • Toxicological Information

Acute and Chronic Toxicity

A: General Product Information

An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this preparation.

B: Component Analysis

Component	CASRN	LC-50	LD-50
1-Decene, Dimer, Hydrogenated	68649-11-6	1.17 mg/L / rat / 4 hr	>5ml / kg / oral / rat
			> 3000 mg/kg / dermal / rabbit*
1-Decene, Homopolymer, Hydrogenated	68037-01-4	Not established	> 10000 mg/kg / oral / rat*
			> 3000 mg/kg / dermal / rabbit*
Naphtha (Petroleum), Hydrotreated Heavy	64742-48-9	Not established	> 10000 mg/kg / oral / rat*
			> 3000 mg/kg / dermal / rabbit*
Distillates (Petroleum), Hydrotreated Light	64742-47-8	Not established	> 10000 mg/kg / oral / rat*
			> 3000 mg/kg / dermal / rabbit*

* Supplier Data

Section 12 • Ecological Information

Mobility: Readily absorbed into soil. **Persistence / Degradability:** Expected to biodegrade

Bioaccumulative potential: Minimal bioaccumulation potential **Other adverse effects:** None known

Ecological studies have not been conducted for this product. The following information is available for component(s) of this product.

Ecotoxicity

Effects on Organisms	Component	CASRN	Test	Species	Results
Acute Toxicity on Fishes	1-Decene, Dimer, Hydrogenated	68649-11-6	96-hr LC50	Salmo gairdneri	> 100 mg/L
Acute Toxicity on Daphnia	No data available				
Bacterial Inhibition					
Growth inhibition of algae	1-Decene, Dimer, Hydrogenated	68649-11-6	96-hr EC50	Selenastrum capricornutum	> 100 mg/L
Bioaccumulation in fish	No data available				

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Section 13 • Disposal Considerations

Waste Status: Bulk product, if discarded in its purchase form, is not an RCRA hazardous waste. Re-evaluation of the product may be required by the user at the time of disposal since the product uses, transformations and mixtures may change the classification.

Disposal: Waste must be disposed of in accordance with any and all applicable environmental control rules and/or regulations.

Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.

Section 14 • Transport Information

This product is not regulated by any mode of transportation.

The preceding information is subject to change and must be verified prior to shipment. It is the responsibility of anyone offering hazardous materials for shipment to ensure compliance with all applicable regulations.

Section 15 • Regulatory Information

U.S. Federal Regulations

RCRA Hazardous Waste No.: None

Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA):
None

Toxic Substances Control Act (TSCA):
All components of this product are TSCA inventory listed and/or are exempt.

Superfund Amendments and Reauthorization Act (SARA) Title III SARA Section 311/312 (40 CFR 370) Hazard Categories:
Sudden Release of Pressure, Fire Hazard, Immediate (Acute) Health Hazard

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):
None

Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations

California: This product does not contain chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

California and OTC States: This product conforms to consumer product regulations.

New Jersey Right to Know:

1-Decene, Dimer, Hydrogenated 68649-11-6 • 1-Decene, homopolymer, hydrogenated 68037-01-4 • Naphtha (Petroleum), Hydrotreated Heavy 64742-48-9 • Distillates (Petroleum), hydrotreated light 64742-47-8 • Distillates petroleum, hydrotreated light paraffinic 64742-55-8



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International Regulations

Montreal Protocol listed ingredients: None
 Stockholm Convention listed ingredients: None
 Rotterdam Convention listed ingredients: None
 RoHS Compliant: Yes

Section 16 • Other Information

MSDS#: 157328 MSDS Preparation Responsible Name: Elena Badiuzzi Compliance Manager Telephone: +1 770 243-8800	HMIS III		NFPA	
	Health:	[/] 1	Flammability	
	Flammability Aerosol:	NA		Reactivity
	Flammability Bulk:	2		
	Physical Hazard Aerosol:	NA		
Physical Hazard Bulk:	0			
		Special		

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Ed Williams, Technical Manager
 LPS Laboratories, a division of Illinois Tool Works