



Safety Data Sheet

LPC

Prepared according to GHS & 29CFR 1910.1200

1	Chemical Product and Company Identification
----------	--

*Extreme Industrial Lubricants, Inc.
18565 Soledad Canyon Rd. Suite 102
Santa Clarita, CA 91351
Tel: 661-298-8510*

Product Trade Name	LPC
CAS Number	Not applicable for mixtures
Synonyms	Lubricant-Penetrant-Cleaner
Generic Chemical Name	Mixture
Product Type	Penetrating Oil
Preparation/Revision Date	September 2, 2015
Transportation Emergency	FOR TRANSPORT EMERGENCY call CHEMTREC: (+1)703.527.3887 (outside the U.S.) 1.800.424.9300 (in the U.S.)
Phone No.	
MSDS No.	GHS004

2	Hazards Identification
----------	-------------------------------

Appearance	Amber Liquid
Odor	Petroleum Odor
Principal Hazards	Caution <ul style="list-style-type: none"> • May cause eye irritation. • May cause skin irritation. • May cause respiratory tract irritation. • May cause allergic skin reaction

Signal Word: Caution
Pictograms:



See section 11 for complete health hazard information.

3	Composition/Information on Ingredients
----------	---

Hazardous Ingredients

Comp	CAS No.	Percentage (by wt.)	Carcinogen
Distillates, hydrotreated heavy paraffinic	64742-54-7	50-60	N/E
Distillates, hydrotreated light naphthenic	64742-53-6	10-12	N/E
Solvent Naphta, heavy aliphatic	64742-96-7	13-14	N/E
N-(2-2((2-hydroxyethyl)amino)ethyl)-9-octadecenamamide (Z-)	9538-38-5	.1-.5	N/E
Amine O	95-38-5	.5-.6	N/E
N-Oleylsarcosine	110-25-8	.4-.5	N/E

Calcium Sulfonate	68783-96-0	6-7	N/E
-------------------	------------	-----	-----

(N/E)—None established

4	First Aid Measures
----------	---------------------------

Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
Skin	Wash with soap & water for 20 minutes or until chemical is removed. Remove contaminated clothing. If skin irritation or rash occurs: Get medical attention. Launder contaminated clothing before reuse & discard leather articles saturated with the material.
Inhalation	Remove exposed person to fresh air if adverse effects are observed. Call a poison center or doctor if exposed or you feel unwell.
Oral	DO NOT INDUCE VOMITING. Get immediate medical attention.
Additional Information	Note to physician: Treat symptomatically.

5	Fire Fighting Measures
----------	-------------------------------

Flash Point	N/E
Extinguishing Media	CO2, dry chemical, or foam. Water can be used to cool & protect exposed material.
Firefighting Procedures	Recommend wearing self-contained breathing apparatus. Water may cause splattering.
Unusual Fire & Explosion Hazards	See section 10 for additional information.

6	Accidental Release Measures
----------	------------------------------------

Spill Procedures	Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Take precautions to avoid release to the environment. Eliminate all ignition sources if safe to do so. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulation. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.
-------------------------	---

7	Handling and Storage
----------	-----------------------------

Pumping Temperature	Not determined.
Maximum Handling Temperature	Not determined.
Handling Procedures	Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Do not discharge into drains or the environment; dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Vapors are heavier than air and will tend to accumulate in low areas. Avoid use in confined areas without adequate ventilation. Areas of inadequate ventilation could contain concentrations high enough to cause eye irritation, headaches, respiratory discomfort or nausea. Avoid breathing dust, fume, gas, mist, vapors or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.
Maximum Storage Temperature	Not determined.
Storage Procedures	Take precautions to avoid release to the environment. See section 10 for incompatible materials.
Maximum Loading Temperature	Not determined.

8	Exposure Controls/Personal Protection
----------	--

Exposure Limits

Comp	Exposure Guidelines					
	OSHA		ACGIH		Other	
	TWA	STEL	TWA	STEL	TWA	STEL
Distillates, hydrotreated heavy paraffinic	5 mg/m ³	N/E	5 mg/m ³	N/E	N/E	N/E
Distillates, hydrotreated light naphthenic	5 mg/m ³	N/E	5 mg/m ³	N/E	N/E	N/E
Solvent Naphta, heavy aliphatic	N/E	N/E	N/E	N/E	N/E	N/E
N-(2-(2-(2-hydroxyethyl)amino)ethyl)-9-octadecenamide (Z-)	N/E	N/E	N/E	N/E	N/E	N/E
Amine O	N/E	N/E	N/E	N/E	N/E	N/E
N-Oleysarcosine	N/E	N/E	N/E	N/E	N/E	N/E
Calcium Sulfonate	N/E	N/E	N/E	N/E	N/E	N/E

(s)—Skin exposure

(p)—Proposal limit

(c)—Ceiling exposure

(l)—Recommended exposure limit

(u)—Supplier recommended exposure limit

(N/E)—None established

Other Exposure Limits

Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

Engineering Controls

Use material in well ventilated area only. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits. Vapors are heavier than air and will tend to accumulate in low areas. Avoid use in confined areas without adequate ventilation.

Gloves Procedures

Neoprene.

Eye Protection

Safety Glasses.

Respiratory Protection

Use NIOSH/MSHA approved full face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Clothing Recommendation

Long sleeve shirt is recommended. Wear a chemically protective apron when contact with material may occur. When working with heated material, wear an insulated apron or an insulated chemical protective suit. Use chemically protective boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.

9	Physical and Chemical Properties
----------	---

Flash Point

Not Determined)

Upper Flammable Limit

Not determined.

Lower Flammable Limit

Not determined.

Autoignition Point

Not determined.

Explosion Data

Material does not have explosive properties.

Vapor Pressure

Not determined.

pH

Not determined.

Specific Gravity

Not Determined

Bulk Density

Not determined.

Water Solubility

Insoluble.

Percent Solid

Not determined.

Percent Volatile

Not determined.

Volatile Organic Compound

Not determined.

Vapor Density

Not determined.

Evaporation Rate

Not determined.

Odor	Mild Amine
Appearance	Slightly hazy amber liquid
Viscosity	Not determined
Odor Threshold	Not determined.
Boiling Point	Not determined.
Pour Point Temperature	Not determined
Melting/Freezing Point	Not determined.

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10	Stability and Reactivity
-----------	---------------------------------

Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not determined.
Incompatibility	Acids. Oxidizing agents.
Polymerization	Will not occur.
Thermal Decomposition	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: nitrogen, sulfur.
Conditions to Avoid	Not determined.

11	Toxicological Information
-----------	----------------------------------

::ACUTE EXPOSURE::	
Eye Irritation	Weak to moderate eye irritant.
Skin Irritation	May cause slight skin irritation. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Respiratory Irritation	May cause nose, throat, and lung irritation. Based on data from similar materials.
Dermal Toxicity	The LD50 in rabbits is >2000 mg/Kg. Based on data from components or similar materials
Inhalation Toxicity	The LC50 (1 hr.) in rats for dust or mist of this material is >200 mg/l. Based on data from components or similar materials.
Oral Toxicity	The LD50 in rats is >10,000 mg/Kg. Based on data from components or similar materials. The oral LD50 (rat) of the dibutylhydrogen phosphate is 3200 mg/kg.
Inhalation Sensitization	No data available to indicate product or components may be respiratory sensitizers.
::CHRONIC EXPOSURE::	
Chronic Toxicity	No data available to indicate product or components present at great than 1% are chronic health hazards.
Carcinogenicity	This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
Mutagenicity	No data available to indicate product or any components present at great than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity	No data available to indicate either product or components present at great than 0.1% that may cause reproductive toxicity.
Teratogenicity	There are conflicting reports in the literature concerning the teratogenicity of diphenylamine. However, because the predominant route of exposure was oral (via gavage or diet) and relatively high dose levels were administered in the studies where positive effects were observed, it would not seem to present a workplace hazard.
::ADDITIONAL INFORMATION::	
Other	No other health hazards known.

12	Ecological Information
-----------	-------------------------------

::ENVIRONMENTAL TOXICITY::

Freshwater Fish Toxicity	Not determined.
Freshwater Invertebrates Toxicity	The acute EC50 is 10-100 mg/L based on component data. Chronic effects expected at 10-100 mg/L based on component data.
Algal Inhibition	The acute EC50 is 10-100 mg/L based on component data. The Ethoxylated amine contained in this product has an EC50 between 0.01 and 0.1 mg/L.
Saltwater Fish Toxicity	The acute LC50 is 10-100 mg/L based on component data.
Saltwater Invertebrates Toxicity	Not determined.
Bacteria Toxicity	Not determined.
Miscellaneous Toxicity	Not determined.

::ENVIRONMENTAL FATE::

Biodegradation	At least 25% of the components in this product show limited biodegradation based on OECD 301-type test data. At least 25% of the components in this product show moderate biodegradation based on OECD 302-type test data.
Bioaccumulation	1-10% of the components bioconcentration in aquatic organisms.
Soil Mobility	Not determined.

13	Disposal Considerations
-----------	--------------------------------

Waste Disposal	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.
-----------------------	--

14	Transport Information
-----------	------------------------------

ICAO/IATA I	Not regulated.
ICAO/IATA II	Not regulated.
IMDG	Not regulated.
IMDG/EMS Fire	Not applicable.
IMDG EMS Spill	Not applicable.
IMDG MFAG	Not applicable.
MARPOL Annex II	Not determined.
USCG Compatibility	Not determined.
U.S. DOT Bulk	Not regulated.
DOT NAERG	Not applicable.
U.S. DOT (Intermediate)	Not regulated.
U.S. DOT Intermediate NAERG	Not applicable.
U.S. DOT Non-Bulk	Not regulated.
U.S. DOT Non-Bulk NAERG	Not applicable.
Canada	Not regulated.
Mexico	Not regulated.
Bulk Quantity	85000 KG, 187391 lbs.
Intermediate Quantity	11000 KG, 24251 lbs.
Non-Bulk Quantity	400 KG, 882 lbs.

Review classification requirements before shipping materials at elevated temperatures.

15	Regulatory Information
-----------	-------------------------------

::Global chemical Inventories::

USA	All components of this material are on the US TSCA Inventory or are exempt.
Other TSCA Reg.	None Known.
EU	All components comply with the EU 7 th Amendment and are approved for EU sales. Extreme Industrial Lubricants must maintain records of all imports of this product into the EU.
Japan	This product may be imported to Japan only by -----
Australia	A component(s) of this product has been notified and assessed under the Industrial Chemicals (Notification and Assessment) Act, 1989. This product may be imported ---
New Zealand	All components are in compliance with chemical notification requirements in New Zealand.

Canada All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

Switzerland All components are in compliance with the Environmentally Hazardous Substance Ordinance in Switzerland. Extreme Industrial Lubricants must maintain records of all imports of this product into Switzerland.

Korea All components are in compliance in Korea.

Philippines This product requires notification before sale in the Philippines.

China This product may be imported to China only by -----.

Taiwan All components of this product are listed on the Taiwan inventory.

::Other U.S. Federal Regulations::

SARA Ext. Haz. Subst. This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

SARA Section 313 This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

SARA 311 Classification

Acute Hazard	Yes
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

CERCLA Hazardous Substances None known.

::State Regulations::

Cal. Prop. 65 This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: <0.01 ppm Ethyl benzene, CAS no. 100-41-4 <0.01 ppm Naphthalene, CAS no. 91-20-3 <0.1 ppm cadmium <0.5 ppm lead <0.5 ppm arsenic 0.001% Trimethyl phosphate, CAS no. 512-56-1

::Product Registrations::

U.S. Fuel Registration Not applicable.

Finnish Registration Number Not Registered.

Swedish Registration Number Not Registered.

Norwegian Registration Number Not Registered.

Danish Registration Number Not Registered.

Swiss Registration Number Not Registered.

Italian Registration Number Not Registered.

::Other/International::

Miscellaneous Regulatory Information Not determined.

16	Other Information
-----------	--------------------------

US NFPA Codes

Health	Fire	Reactivity	Special
2	1	0	N/E

(N/E)—None established

HMIS Codes

Health	Fire	Reactivity
2	1	0

Precautionary Labels Caution.

- May cause eye irritation.
- May cause skin irritation.
- May cause respiratory tract irritation.
- May cause allergic skin reaction.

Revision Indicators This SDS has no revisions since September 2, 2015

As the conditions or methods of use are beyond our control, we do not assume any responsibilities and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty,

expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.