



## SECTION 2 - HAZARD IDENTIFICATION

This product is a semi-fluid gel that is insoluble in water. Direct eye contact may cause temporary irritation. Short-term exposure is not expected to be irritating. Inhalation and ingestion are not anticipated routes of exposure during normal condition of use. The viscous nature may block breathing if inhaled.

The routes of entry are eye, skin, inhalation and ingestion. These are easily prevented by following normal handling procedures.

There are no targeted organs known.

There are no known acute toxicity hazards.

### Effects of Overexposure:

This product is not listed as a known or suspected carcinogen by IARC, OSHA, ACGIH or the NTP.

## SECTION 3 - COMPONENT DATA

<u>Chemical Name</u>	<u>CAS No</u>	<u>Percent</u>
Lubricating greases	74869-21-9	70 - 85 %
Aluminum Complex Thickener	Mixture/Proprietary	20 - 35 %
Proprietary Package**	Mixture	5- 15 %

\*The exact percentage of ingredients may have been held as trade secret and there may be batch to batch variation in their quantities

\*\* The specific chemical names and composition of the components not disclosed is confidential business information and is withheld as permitted by 29CFR 1910.1200 and various state Right-to- Know laws.

Additional information:

As per 29 CFR 1910.1200 paragraph (i), formulation is considered as trade secret and therefore specific chemical names and their percentages of components used have not been disclosed. The details about their specific chemical names and their percentages may be provided on request to health professionals, authorized representatives of regulatory authority, employees concerned in accordance with applicable provisions of this paragraph.

## SECTION 4 - FIRST AID MEASURES

Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs, remove the employee to fresh air. Contact a physician or other medical professional if irritation or distress persists.

Upon direct eye contact, hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. If irritation is due to exposure to mist or vapors, remove the individual to fresh air. If irritation persists, flush the eyes with clean water until the irritation subsides. If symptoms persist, contact a physician.

If skin irritation occurs, wash with soap and water. Contaminated clothing should be removed to prevent prolonged exposure. If symptoms persist, contact a physician.

If small amounts are ingested, first aid measures are not likely to be necessary. If larger amounts are ingested or if symptoms of ingestion occur, dilute stomach contents with two glasses of water or milk. (NOTE: DO NOT give anything by mouth to an unconscious person.) Do not induce vomiting without medical supervision. If vomiting occurs spontaneously keep airway clear. If symptoms persist, contact a physician.

## SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >232 C (450 F)

Autoignition: N/A

LEL: N/A

UEL: N/A

In accordance with guidance, dry chemical, foam, or CO2 fire extinguishers are all acceptable. Note that while water fog extinguishers are also acceptable, do NOT apply a direct stream of water (water jet) onto burning product because it may cause spreading and increase fire intensity.

No known hazardous combustion products. Mostly oxides of carbon.

Emergency responders in the danger area should wear bunker gear and self-contained breathing apparatus for fire beyond incipient stage.

See Section 8 of the MSDS for other PPE to be worn as conditions warrant.

Standard fire fighting equipment is adequate.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

IMPORTANT: As with any spill or leak, before responding ensure that you are familiar with the potential hazards and recommendations of the MSDS. Appropriate personal protective equipment must be worn. See Section 8 of the MSDS for PPE recommendations.

Small volumes or residues may be soaked up with absorbents. Spill response materials should be collected for proper disposal.

If possible, safely contain the spill with dikes or other spill response equipment appropriate for petroleum or organic material releases. Take measures to prevent spreading of product. Product is flammable, and will burn. As a precaution eliminate ignition sources. Prevent from entering sewers or waterways. Large volumes may be transferred to an appropriate container for proper disposal.

## SECTION 7 - HANDLING AND STORAGE

Keep away from heat. Open product containers slowly to relieve any pressure and open in a well-ventilated area due to possible presence of irritating vapors in the headspace. Reseal containers immediately after use.

As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Follow all other standard industrial hygiene practices.

Product residue in empty containers is flammable. NOTE that excessive heating or cutting of empty containers may create an ignition source sufficient to start a fire and in extreme cases cause an explosion. All safety precautions taken when handling the product should also be taken when handling empty drums and containers.

Protect product quality by storing indoors and away from extreme temperatures.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

<u>Chemical Name / CAS No</u>	<u>OSHA Exposure Limits</u>	<u>ACGIH Exposure Limits</u>	<u>Other Exposure Limits</u>
Lubricating greases CAS # 74869-21-9	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.		

Normal general ventilation is expected to be adequate. It is recommended that ventilation be designed in all instances to maintain airborne concentrations at the lowest practicable levels. The user may want to refer to 29CFR 1910.1000. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.

Standard control methods are adequate.

Personal protective equipment (PPE) should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations.

Contaminated gear should be disposed of in accordance to local, state, and federal regulations.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**This is a food grade product and should be handled as all food grade products.**

<b>Appearance</b>	White
<b>Odor</b>	Characterisitc/Mild
<b>Physical State</b>	Semi-fluid (gel)
<b>Evaporation Rate</b>	>0.1
<b>Specific Gravity (SG)</b>	0.940

## SECTION 10 - STABILITY AND REACTIVITY

This product is basically stable.

This product is incompatible with strong oxidizing agents.

Thermal decomposition products are dependent on combustion conditions. A complex mixture of airborne solid, liquid, particulates and gasses may evolve when the material burns. Combustion byproducts may include: oxides of carbon, acid gases, and incompletely burned hydrocarbons as fumes and smoke.

## SECTION 11 - TOXICOLOGICAL INFORMATION

<u>Acute Toxicity</u>	<u>Hazard</u>	<u>LC50/LD50 Data</u>
Oral	Unlikely to be harmful	> 2280 mg/kg
Dermal	Unlikely to be harmful	> 2000 mg/kg; rat
Inhalation	Unlikely to be harmful	> 5.0mg/L, 4 hrs.; rat

## SECTION 12 - ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

This product has not been fully evaluated for ecotoxicity. As with any chemical, exposure to the environment should be prevented and minimized wherever possible.

### ENVIRONMENTAL FATE

The degree of biodegradability and persistence of the product has not been determined.

## SECTION 12 - ECOLOGICAL INFORMATION

<u>Chemical Name</u> <u>CAS No</u>	<u>Toxicity to Algae</u>	<u>Toxicity to Fish</u>	<u>Toxicity to</u> <u>Micro-organisms</u>	<u>Daphnia Magna</u> <u>(Water Flea)</u>
Lubricating greases CAS # 74869-21-9	NOELR: 1000 mg/l, 72 hrs , fresh water algae	LL50 : >1000 mg/l, 96 hrs ( rainbow trout )	----	EL 50 : >1000 mg/l, 48 hrs

## SECTION 13 - DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL:

**Consider recycling this product.** Try to minimize the product waste by using best applicable practices. It is the responsibility of the waste generator to evaluate the waste classification and appropriate disposal methodology in accordance with the applicable regulation. Do not dispose in to environment, in drain or in river / ponds / water reservoirs.

### CONTAINER DISPOSAL:

Consider the container part of the product. To be disposed in accordance with local prevailing and allowable regulations.

## SECTION 14 - TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>HazardClass</u>
DOT	U.S. Department of Transportation If shipped by land in a package having a capacity larger than 3,500 gallons, 49 CFR, Part 130 apply.	Not Regulated	--	--
ICAO/IATA	International Civil Aviation Org / International Air Transport Assoc. U.S. Dot compliance requirements may apply. See 49 CFR 171.22, 23 & 25.	Not Regulated	--	--
IMDG	International Maritime Dangerous Goods U.S. Dot compliance requirements may apply. See 49 CFR 171.22, 23 & 25.	Not Regulated	--	--

## SECTION 15 - REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: This material is considered non-hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

All components are listed or exempt from listing/notification on the following chemical inventories: AICS, DSL, ENCS, IECSC, KECI, PICCS, TCSI, TSCA

California Proposition 65

This product does not contain any materials that require a Proposition 65 notice.

## SECTION 16 - OTHER INFORMATION

Prepared by : Corporate Regulatory Compliance

Date of Issue : October 25, 2017

Last Revision Date : July 25, 2019 - DS

NOTICE: This MSDS produces a good faith representation of information believed to be accurate as of the last revision date. This document does not create any express or implied product warranties. Since conditions of use are beyond the control of High Performance Lubricants LLC, all risks associated with the product are assumed by the user.