



MATERIAL SAFETY DATA SHEET

ADDRESS:

3711 LeHarps Road
Youngstown, Ohio 44515

Emergency Phone Number (s)

Product Identification

Product Name

ProGuard Premium Lithium EP Grease 0, 1 & 2 (All Grades)

Code No.

10,672

Business: 330-792-1100

Off Hours: 1-800-362-9410

Date: 12-18-07

Synonyms

none

Chemical Family

Hydrocarbon

Ingredients

MATERIALS OR COMPONENTS	% wt.	CAS NUMBER	CARCINOGEN OSHA or IARC
Lithium 12 Hydroxystearate	3 - 12	7620-77-1	No
Mineral Oil	50 - 70	64742-65-0	No
Zinc Alkyldithiophosphate	0.5 - 2.0	68649-42-3	No
Mineral Oil	20 - 35	64742-62-7	No

Shipping Information

Not Restricted

Physical Properties

Boiling Point/Range Deg. C 700 Deg. F	Melting Point Deg. C 350 Deg. F	Freezing Point Deg. C - 10 Deg. F	Molecular weight (calculated) N/A
Specific Gravity (water=1) 0.89 @ 16 Deg C	Vapor Pressure (mm Hg) N/A Deg. C	Deg. F	Vapor Density (Air = 1) N/A
Solubility in Water Nil	% Volatiles by Volume 0	Evaporation Rate N/A	☐ Either = 1 ☐ Water = 1 ☐ Butylacetate = 1
Appearance and Odor Semi-Solid Grease Bland	Other		

Fire and Explosion Data

Flash Point Deg. C 400 Deg. F	Test Method D-92	Flammable limits Lower N/A Upper %	Autoignition temperature/Fire Point Deg C 450 Deg. F
EXTINGUISHING MEDIA			
☐ Water Spray	☒ Water - fog	☐ Water - Stream	☒ Carbon dioxide
		☒ Dry chemical	☐ Alcohol foam
		☒ Foam	☒ Earth or sand
SPECIAL FIRE FIGHTING PROCEDURES			
☐ Do not enter building	☐ Allow fire to burn	☒ Water may cause frothing	☐ Do not use water
UNUSUAL FIRE AND EXPLOSION HAZARDS			
☐ Dust Explosion hazard	☐ Sensitive to shock	☐ Contamination	☐ Temperature ☒ Other (specify) None

Reactivity Data

Stability ☒ Stable ☐ Unstable		Conditions Contributing to Instability			
		☐ Thermal decomposition	☐ Photo degradation	☐ Polymerization	☐ Contamination
Incompatibility - Avoid Contact With					
☐ Strong Acids	☐ Strong Alkalies	☒ Strong Oxidizers	☐ Other (Specify)		

Hazardous Decomposition Products - Thermal and Other (list)

CO & CO2 if Incomplete Combustion

Reactivity Date continued....

CONDITIONS TO AVOID

☐ Heat ☒ Open Flames ☐ Sparks ☐ Ignition Sources ☐ Other (specify)**Spill or Leak**

Steps to be Taken if material is Released or Spilled

☐ Flush with Water ☒ Absorb with Sand ☐ Neutralize ☒ Sweep or Scoop up and remove ☐ Keep upwind Evacuate enclosed spaces ☐ Prevent Spread or Spill
☐ Dispose of Immediately ☐ Other (specify)**Waste Disposal Method - Consult federal, state or local authorities for proper disposal procedures.**
All Disposals Must Comply with Federal, State and Local Regulations.**Toxicity Information**

Conditions to Avoid: Excessive Contact

Primary Routes of Entry

☐ Inhalation ☒ Skin Contact ☐ Other (specify)

This product has been used for years with no known ill effects. It contains no known carcinogens or mutagens as defined by OSHA or IARC.

This product contains the following toxic chemicals subject to the reprotng requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40 CFR 372)

CAS Number	Chemical Name	Percent by Weight
68649-42-3	Zinc Alkyldithiophosphate	1 - 2

Health and Hazzard Information**NFPA Rating**Health..... 0
Flammability..... 1
Reactivity 0
Protective Equipment B**NFPA HAZARD RATING CODES**Least..... 0 High..... 3
Slight..... 1 Extreme..... 4
Moderate..... 2**Effects of Exposure**

Permissible Exposure Limit (Specify if TLV/TWA or Ceiling [c])

ACGIH 20

OSHA 2007

Other:

5 mg/m3 for mineral oil

Irritation	☒ Skin	☐ Severe	☐ Moderate	☒ Mild (Transient)
	☒ Eye	☐ Severe	☐ Moderate	☒ Mild (Transient)

Corrosivity	☐ Skin	☐ 4 hrs. (DOT)	☐ 24 hrs (CPSC)
	☐ Eye	☐ May Cause Blindness	☒ Not Corrosive

Sensitization

☐ Skin ☐ Respiratory ☒ None

Inhalation Effects

☐ Narcotic Effect ☐ Cyanosis ☐ AsphyxiantLung Effects (Specify): **None**

Other (Specify):

☐ Repeated Contact-skin Defatter ☐ Other (Specify) **NONE****Emergency First Aid**

Ingestion

☐ Induce Vomiting ☐ Do Not Induce Vomiting ☐ Give Plenty of Water ☒ Get Medical Attention ☐ Other (specify)

Dermal

☒ Flush with Soap and Water ☐ Get Medical Attention ☒ Contaminated Clothing-Remove and Launder ☐ Contaminated Shoes - destroy ☐ Other (specify)

Eye Contact

☒ Flush with plenty of water for at least 15 minutes ☒ Get Medical Attention ☐ Other (specify)

Inhalation

☐ Remove to fresh air ☐ If not breathing give artificial respiration ☐ Give Oxygen ☐ Get Medical Attention ☐ Other (specify) **None**

Special Protection Information

Ventilation Requirements - Always maintain exposure below permissible limits.

- ☐ Consult an Individual Hygienist or environmental health specialist
☐ Local Exhaust
☒ Use with Adequate Ventilation
☐ Check for Air Contamination and oxygen deficiency
☐ Other (specify)

- Eye
☐ Face Shield
☐ Goggles
☒ Safety Glasses
- Hand (Glove Type)
☐ Polyvinyl Chloride
☒ Neoprene
☐ Butyl Rubber
☐ Natural Rubber
☐ Polyvinyl Alcohol
☒ Polyethylene
☒ Other - Nitrile

Respirator Type - Use Only NIOSH/MESA Approved Equipment

- ☐ Self-Contained
☐ Supplied Air
☐ Can or Cartridge Gas or Vapor
☐ Filter-dust Fume, Mist
☐ Other (specify) **NONE**

Other Protective Equipment

- ☐ Rubber Boots
☐ Apron
☐ Other (specify) **NONE**

Special Precautions

Precautionary Notes

- ☒ Wash Thoroughly after Handling
☒ Do Not Get in Eyes, or on Clothing
☐ Do not Breathe Dust, Vapor, Mist Gas
☒ Keep Container Closed
☒ Keep Away from Sparks, and Open Flames
☐ Store in Tightly Closed Container
☐ Do Not Store Near Combustibles
☐ Keep From Contact with Clothing and other Combustible Materials
☐ Empty Container may Contain Hazardous Residues
☐ Use Explosion Proof Equipment
☐ Other (specify):

Other Handling and Storage Conditions - NO SPECIAL CONDITIONS

Disclaimer: Lyden Oil Company, Inc. believes this information is accurate but not all-inclusive in all circumstances.
It is the responsibility of the user to determine suitability of the material for their purposes.
No Warranty, Expressed or Implied is Given.