



MATERIAL SAFETY DATA SHEET

ADDRESS:
1174 Erie Avenue, Box 728
North Tonawanda, NY 14120

PRODUCT IDENTIFICATION

PRODUCT NAME
Slipkote 000 Engine Guard
(All Grades)
Lubricating Grease
SYNONYMS
EP Red Lithium

Code No.
11,318

Emergency Phone Number(s)
Business: (716) 695-2100
Fax: (716) 695-0367
Date Sent:
2/12
Chemical Family
Hydrocarbon

INGREDIENTS

MATERIALS OR COMPONENTS	%W	CAS NUMBER	CARCINOGEN OSHA OR IARC
Lithium 12 Hydroxystearate	1-4	7620-77-1	No
Mineral Oil	90-96	64742-62-7	No
Polyethylene	1-3	9002-88-4	No
Zinc Alkyldithiophosphate	1-3	68988-45-4	No
Sulfurized Isobutylene	0-1	68511-50-2	No
Dye - Anthraquinone Red	<.1	2379-79-5	No

SHIPPING INFORMATION

Not Restricted

PHYSICAL PROPERTIES

Boiling Point/Range °C **700 °F** Melting Point °C **350 °F** Freezing Point °C **0 °F** Molecular weight (Calculated) **NA**

Specific Gravity (H₂O=1) **0.89 @ / 16 °C** Vapor Pressure (mm Hg) °C **NA °F** Vapor Density (Air=1) **NA**

Solubility in H₂O **Nil** % Volatiles by Volume **0** Evaporation Rate **NA** Either = 1 Water = 1 Butylacetate =1

Appearance and Odor **Red Semi-Fluid-Bland** Other

FIRE AND EXPLOSION DATA

Flash Point °C **430 °F** Test Method **D-92** Flammable Limits Lower **NA** % Upper % Autoignition Temperature/Fire Point °C **450 °F**

EXTINGUISHING MEDIA
 Water-pray Water-fog Water-stream CO₂ 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 Alkalis Strong Oxidizers Other (Specify):

HAZARDOUS DECOMPOSITION PRODUCTS - THERMAL AND OTHER (list)
CO & CO₂ IF INCOMPLETE COMBUSTION.

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 or inert material 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.

CONTINUED ON REVERSE SIDE

NA - Not Applicable

TOXICITY INFORMATION	CONDITIONS TO AVOID None Known		
	PRIMARY ROUTES OF ENTRY <input type="checkbox"/> INHALATION <input checked="" type="checkbox"/> SKIN CONTACT <input type="checkbox"/> 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 reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): <table style="width:100%; border: none;"> <tr> <td style="text-align: left;"><u>CAS#</u> 68988-45-4</td> <td style="text-align: center;"><u>Chemical Name</u> Zinc Alkyldithiophosphate</td> <td style="text-align: right;"><u>Percent by Weight</u> 1-3</td> </tr> </table>	<u>CAS#</u> 68988-45-4	<u>Chemical Name</u> Zinc Alkyldithiophosphate
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HEALTH HAZARD 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]) <table style="width:100%; border: none;"> <tr> <td style="text-align: center;">ACGIH 2011</td> <td style="text-align: center;">5mg/m³ For Mineral Oil</td> <td style="text-align: center;">OSHA 2011</td> </tr> </table>		ACGIH 2011	5mg/m³ For Mineral Oil
ACGIH 2011	5mg/m³ For Mineral Oil	OSHA 2011			

HEALTH HAZARD INFORMATION	IRRITATION	<input checked="" type="checkbox"/> Skin	<input type="checkbox"/> Severe	<input type="checkbox"/> Moderate	<input checked="" type="checkbox"/> Mild (Transient)	
		<input checked="" type="checkbox"/> Eye	<input type="checkbox"/> Severe	<input type="checkbox"/> Moderate	<input checked="" type="checkbox"/> Mild (Transient)	
	CORROSIVITY	<input type="checkbox"/> Skin	<input type="checkbox"/> 4 hrs. (DOT)	<input type="checkbox"/> 24 hrs (CPSC)		
		<input type="checkbox"/> Eye	<input type="checkbox"/> May cause blindness	<input checked="" type="checkbox"/> Not Corrosive		
	SENSITIZATION	<input type="checkbox"/> Skin	<input type="checkbox"/> Respiratory	<input checked="" type="checkbox"/> None		
		INHALATION EFFECTS <input type="checkbox"/> Narcotic effect <input type="checkbox"/> Cyanosis <input type="checkbox"/> Asphyxiant				
	LUNG EFFECTS (Specify): NA					
	OTHER (Specify): <input type="checkbox"/> Repeated contact-skin defatter <input type="checkbox"/> Other (Specify) NA					
HEALTH HAZARD INFORMATION	INGESTION	<input type="checkbox"/> Induce vomiting	<input checked="" type="checkbox"/> DO NOT induce vomiting	<input type="checkbox"/> Give plenty of water	<input checked="" type="checkbox"/> Get medical attention	<input type="checkbox"/> Other (Specify):
	DERMAL	<input checked="" type="checkbox"/> Flush with soap and water	<input type="checkbox"/> Get medical attention	<input checked="" type="checkbox"/> Contaminated clothing-remove & launder	<input type="checkbox"/> Contaminated shoes - destroy	<input type="checkbox"/> Other (Specify)
	EYE CONTACT	<input checked="" type="checkbox"/> Flush with plenty of water for at least 15 minutes	<input checked="" type="checkbox"/> Get medical attention	<input type="checkbox"/> Other (Specify):		
	INHALATION	<input type="checkbox"/> Remove to fresh air	<input type="checkbox"/> If not breathing give artificial respiration	<input type="checkbox"/> Give oxygen	<input type="checkbox"/> Get medical attention	<input type="checkbox"/> Other (Specify): NA

SPECIAL PROTECTION INFORMATION	VENTILATION REQUIREMENTS - <i>Always maintain exposure below permissible exposure limits</i> <input type="checkbox"/> Consult an industrial hygienist or environmental health specialist <input type="checkbox"/> Local exhaust <input checked="" type="checkbox"/> Use with adequate ventilation <input type="checkbox"/> Check for air contamination and oxygen deficiency <input type="checkbox"/> Other (Specify):					
	EYE	<input checked="" type="checkbox"/> Safety glasses	<input type="checkbox"/> Face Shield	<input type="checkbox"/> Goggles		
	HAND (GLOVE TYPE)	<input checked="" type="checkbox"/> Polyvinyl chloride	<input checked="" type="checkbox"/> Neoprene	<input type="checkbox"/> Butyl Rubber	<input type="checkbox"/> Polyvinyl alcohol	<input type="checkbox"/> Other (Specify):
		<input type="checkbox"/> Natural rubber	<input type="checkbox"/> Polyethylene			
	RESPIRATOR TYPE - <i>Use only NIOSH / MESA approved equipment</i> <input type="checkbox"/> Self-contained <input type="checkbox"/> Supplied air <input type="checkbox"/> Can or cartridge gas or vapor <input type="checkbox"/> Filter-dust, fume, mist <input type="checkbox"/> Other (Specify): NA					
	OTHER PROTECTIVE EQUIPMENT <input type="checkbox"/> Rubber boots <input type="checkbox"/> Apron <input type="checkbox"/> Other (specify): None					

SPECIAL PRECAUTIONS	PRECAUTIONARY NOTES <input checked="" type="checkbox"/> Wash Thoroughly after handling <input checked="" type="checkbox"/> Do not get in eyes, or on clothing <input type="checkbox"/> Do not breathe dust, vapor, mist, gas <input checked="" type="checkbox"/> Keep container closed <input checked="" type="checkbox"/> Keep away from sparks, and open flames <input type="checkbox"/> store in tightly closed containers <input type="checkbox"/> Do not store near Combustibles <input type="checkbox"/> Keep from contact with clothing and other combustible materials <input type="checkbox"/> Empty container may contain hazardous residues <input type="checkbox"/> Use explosion proof equipment <input type="checkbox"/> Other (Specify):
	Other handling and storage conditions <p style="text-align: center;">No Special Conditions</p>

Prepared by Tony Wenzler	Address 1174 Erie Ave., Box 728, N. Tonawanda, NY 14120	Phone (716) 695-2100
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