

HRMT-3000S		MATERIAL SAFETY DATA SHEET		ADDRESS: 86 Titan Road Toronto, Ontario M6Z 2K8	
PRODUCT IDENTIFICATION	PRODUCT NAME SUMMER GRADE LITHIUM COMPLEX EP # 2 - GREEN		Code No. 80,406		Emergency Phone Number(s)
	CHEMICAL NAME Lubricating Grease				Business: (416) 249-1548 Fax: (416) 249-3449
	SYNONYMS SUMMER GRADE LITHIUM COMPLEX EP # 2 - GREEN				Date Sent OCT. 12, 2005 Chemical Family Hydrocarbon
INGREDIENTS	MATERIALS OR COMPONENTS		%W	CAS NUMBER	CARCINOGEN OSHA OR IARC
	Lithium 12-Hydroxyoctadecanoate		10-12	68815-49-6	No
	Sebacate Complex				
	Mineral Oil		20-30	64742-62-7	No
	Mineral Oil		30-40	64742-65-0	No
	Chlorinated Paraffin/Olefin Blend		25-30	63449-39-8/ 68410-99-1	No
	Green Dye		<.05	----	No
SHIPPING INFORMATION	Not Restricted				
PHYSICAL PROPERTIES	Boiling Point/Range °C 700 °F		Melting Point °C 500 °F		Freezing Point °C NA °F
	Molecular weight (Calculated) NA		Specific Gravity (H ₂ O=1) .89 @ / 16°C		Vapor Pressure (mm Hg) NA °C °F
	Vapor Density (Air=1) NA		Solubility in H ₂ O Nil		% Volatiles by Volume 0
	Evaporation Rate NA		<input type="checkbox"/> Either = 1 <input type="checkbox"/> Water = 1 <input type="checkbox"/> Butylacetate = 1		
Appearance and Odor Green Semi Solid Petroleum		Other			
FIRE AND EXPLOSION DATA	Flash Point Method		Test		Flammable Limits
	°C 440 °F D-92				Lower NA % Upper %
	<input type="checkbox"/> Extinguish MED Water-spray <input checked="" type="checkbox"/> Water-fog <input type="checkbox"/> Water-stream		<input checked="" type="checkbox"/> CO ₂ <input checked="" type="checkbox"/> Dry chemical <input type="checkbox"/> Alcohol foam		Autoignition Temperature/Fire Point °C 490 °F
	<input type="checkbox"/> Do not enter Building <input type="checkbox"/> Allow fire to burn <input checked="" type="checkbox"/> Water may cause frothing <input type="checkbox"/> Do not use water				
<input type="checkbox"/> Dust explosion Hazard (Specify):		<input type="checkbox"/> Sensitive to shock <input type="checkbox"/> Contamination <input type="checkbox"/> Temperature <input type="checkbox"/> Other		None	
REACTIVITY DATA	STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable		CONDITIONS CONTRIBUTING TO INSTABILITY <input type="checkbox"/> Thermal decomposition <input type="checkbox"/> Photo degradation <input type="checkbox"/> Polymerization <input type="checkbox"/> Contamination		
	INCOMPATIBILITY - Avoid contact with <input type="checkbox"/> Strong Acids <input type="checkbox"/> Strong Alkalis <input checked="" type="checkbox"/> Strong Oxidizers <input type="checkbox"/> Other (Specify):				
	HAZARDOUS DECOMPOSITION PRODUCTS - THERMAL AND OTHER (list) CO & CO₂ IF INCOMPLETE COMBUSTION.				
	CONDITIONS TO AVOID <input type="checkbox"/> Heat <input checked="" type="checkbox"/> Open Flames <input type="checkbox"/> Sparks <input type="checkbox"/> Ignition sources <input type="checkbox"/> Other (specify):				
SPILL OR LEAK	STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED <input type="checkbox"/> Flush with Water <input checked="" type="checkbox"/> Absorb with sand or inert material <input type="checkbox"/> Neutralize <input checked="" type="checkbox"/> Sweep or scoop up and remove <input type="checkbox"/> Keep upwind Evacuate enclosed spaces. <input type="checkbox"/> Prevent Spread or spill <input type="checkbox"/> Dispose of Immediately <input type="checkbox"/> 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

TOXICITY INFORMATION	CONDITIONS TO AVOID Excessive Contact						
	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-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">CAS#</th> <th style="text-align: left; border-bottom: 1px solid black;">Chemical Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Percent by Weight</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		CAS#	Chemical Name	Percent by Weight		
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HEALTH HAZARD INFORMATION	NTP Rating	Health 1 Flammability 1 Reactivity 0 Protective Equipment B	NFPA HAZARD RATING CODES	Least 0 High 3 Slight 1 Extreme 4 Moderate 2	
	NOT A CONTROLLED SUBSTANCE UNDER W.H.M.I.S.				
	PERMISSIBLE EXPOSURE LIMIT (Specify if TLV/TWA or Ceiling [c])		ACGIH 20	OSHA 2005	Other: 5mg/m ³ For Mineral Oil
	IRRITATION		<input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Eye	<input type="checkbox"/> Severe <input type="checkbox"/> Severe	<input type="checkbox"/> Moderate <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Mild (Transient) <input checked="" type="checkbox"/> Mild (Transient)
	CORROSIVITY		<input type="checkbox"/> Skin <input type="checkbox"/> Eye	<input type="checkbox"/> 4 hrs. (DOT) <input type="checkbox"/> May cause blindness	<input type="checkbox"/> 24 hrs. (CPSC) <input checked="" type="checkbox"/> Not Corrosive


SPECIAL PROTECTION INFORMATION	SENSITIZATION		INHALATION EFFECTS		
	<input type="checkbox"/> Skin <input type="checkbox"/> Respiratory <input checked="" type="checkbox"/> None	<input type="checkbox"/> Narcotic effect <input type="checkbox"/> Cyanosis <input type="checkbox"/> Asphyxiant			
	LUNG EFFECTS (Specify): <p style="text-align: center;">NA</p>				
	OTHER (Specify): <input type="checkbox"/> Repeated contact-skin defatter <input type="checkbox"/> Other NA (Specify)				
	EMERGENCY FIRST AID				

SPECIAL PRECAUTIONS	VENTILATION REQUIREMENTS - Always maintain exposure below permissible exposure limits			
	<input type="checkbox"/> Consult an industrial hygienist or environmental health specialist <input type="checkbox"/> Other (Specify):	<input type="checkbox"/> Local exhaust	<input checked="" type="checkbox"/> Use with adequate ventilation	<input type="checkbox"/> Check for air contamination and oxygen deficiency
	EYE		HAND (GLOVE TYPE)	
	<input type="checkbox"/> Safety glasses <input type="checkbox"/> Face Shield <input type="checkbox"/> Goggles	<input type="checkbox"/> Polyvinyl chloride <input checked="" type="checkbox"/> Neoprene	<input type="checkbox"/> Butyl Rubber <input type="checkbox"/> Polyvinyl alcohol <input type="checkbox"/> Natural rubber <input type="checkbox"/> Polyethylene	<input checked="" type="checkbox"/> Other (Specify):
	RESPIRATOR TYPE - Use only NIOSH / MESA approved equipment			

SPECIAL PRECAUTIONS	OTHER PROTECTIVE EQUIPMENT		Nitrile	
	<input type="checkbox"/> Rubber boots <input type="checkbox"/> Apron <input type="checkbox"/> Other (specify):	None Normally Required		
	PRECAUTIONARY NOTES			

SPECIAL PRECAUTIONS	<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

Normal Precautions Common to Good Manufacturing Practices Should Be Followed.

Prepared by	Date	Rev	Address	Phone
Dennis Krol	06/2005		68 Titan Road, Toronto, Ontario M8Z 2J8	(416) 249-1548
PLEASE NOTE		"The above information is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, Manufacturer MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use."		