

MATERIAL SAFETY DATA SHEET

GENERAL INFORMATION

PRODUCT NAME OR NUMBER (as it appears on label) Grease, Undercutter		CATALOG NUMBER L-4442
MANUFACTURER'S NAME IDEAL INDUSTRIES, INC.		EMERGENCY TELEPHONE NO. (815) 895-5181
ADDRESS (Number, Street, City, State, Zip Code) Becker Place, Sycamore, IL 60178		
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101) None		
CHEMICAL DESCRIPTION Synthetic hydrocarbon based lubricating grease	FORMULA Proprietary	

SECTION I - INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)*	Listed as a carcinogen in NTP, IARC or OSHA 1910(z) (specify)
61789-86-4	<92	Chevron OLOA 9750	No
12712-38-8			
68649-38-8	<2	Zinc-dialkyldithiophosphates	No
Proprietary	<1	Vanlube RI-G	No
7620-77-16	<15	Lithium Soap with Octadecanoic Acid	No

SECTION II - PHYSICAL DATA

BOILING POINT None °F °C	SPECIFIC GRAVITY (H ₂ O=1) 0.89	PERCENT VOLATILE BY VOLUME (%) None
SOLUBILITY IN WATER Negligible	pH = N/A	PERCENT SOLID BY WEIGHT (%) ~100
APPEARANCE AND ODOR Semisolid grease, mild hydrocarbon odor	IS MATERIAL: LIQUID SOLID GEL GAS <u>PASTE</u>	

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT None method used	FLAMMABLE LIMITS	LEL N.E.	UEL N.E.
EXTINGUISHING MEDIA Use water spray, foam, or carbon dioxide.			
SPECIAL FIRE FIGHTING PROCEDURES None known. Use water to keep fire-exposed containers cool. Water or foam may cause frothing.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Minimize breathing gasses, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed spaces.			

* None of the chemical raw materials contained in this formulation are considered hazardous under the Federal Hazards Communication Standard 29 C. F. R 1910.1200

SECTION IV - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE - Conditions to Avoid	
Prolonged or repeated skin contact may cause skin discomfort.	
THRESHOLD LIMIT VALUE	
None	
PRIMARY ROUTES OF ENTRY Inhalation <input type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify)	
EMERGENCY FIRST AID PROCEDURES	
SKIN CONTACT: Remove contaminated clothing. Wash affected area with soap and water.	
EYE CONTACT: Wash for 15 minutes with clear water. Seek medical attention if discomfort persists.	
INGESTION: Do Not induce vomiting. Seek medical attention immediately.	

SECTION V - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	N/A
INCOMPATIBILITY (materials to avoid)			
Strong oxidants such as conc. oxygen, liquid chlorine, sodium hypochlorite or calcium hypochlorite.			
HAZARDOUS DECOMPOSITION PRODUCTS:			
Fumes; smoke; oxides of carbon, zinc, calcium, phosphorous and sulfur; Alkyl mercaptans.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	N/A

SECTION VI - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	
Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize skin contact. Keep product out of sewers and watercourses by dicing or impounding. Advise authorities if product has entered sewers, watercourses or extensive land areas.	
WASTE DISPOSAL METHOD	
Comply with Federal, state and local regulations for solid landfill.	
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs)	
N/A	
RCRA HAZARDOUS WASTE NO. (40CFR 261.33)	
N/A	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water)	
N/A	
³ Theoretical _____ lb/gal	N/A
Analytical _____ lb/gal	N/A

SECTION VII - PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)			
Use supplied-air respiratory protection in enclosed spaces, if needed.			
VENTILATION	LOCAL EXHAUST (Specify Rate)	If necessary	SPECIAL N/A
	MECHANICAL (General) (Specify Rate)	If necessary	OTHER N/A
PROTECTIVE GLOVES (specify type)		EYE PROTECTION (specify type)	
Chemical resistant		Safety glasses, goggles or face shield.	
OTHER PROTECTIVE EQUIPMENT			
For sensitive individuals, protect skin from contact.			

SECTION VIII - SPECIAL PRECAUTIONS


PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Store in a cool, dry place. Use product with caution around heat, sparks, pilot lights, static electricity, and open flame.	
OTHER PRECAUTIONS	
Wash hands with soap and water before eating. Minimize breathing of vapor, mist or fumes. Avoid prolonged or repeated skin contact.	

SECTION IX - ADDITIONAL INFORMATION

SARA Title III information: Zinc compounds N.O.S. = 1.0%wt. Zinc content = 0.11% wt.	
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N/A = Not Applicable, N.E. = None Established

THIS MATERIAL SAFETY DATA SHEET PREPARED BY:

NAME	SIGNATURE
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TITLE	
DATE	
Director, Corporate Quality Assurance	
07/17/2009	