

# MATERIAL SAFETY DATA SHEET

## GENERAL INFORMATION

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

### 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	<2	Chevron OLOA 9750	No
12712-38-8			
68649-38-8	<2	Zinc-dialkylditiophosphates	No
Proprietary	<1	Vanlube RI-G	No
7620-77-16	<15	Lithium Soap with Octadecanoic Acid	No

### SECTION II - PHYSICAL DATA

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

### SECTION III - FIRE AND EXPLOSION HAZARD DATA

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

\* 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	
<sup>a</sup> Theoretical _____ lb/gal	N/A
<sup>b</sup> 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	James R. MacMurdo	SIGNATURE  
TITLE	Director, Corporate Quality Assurance	
DATE	03/10/2006	