

MATERIAL SAFETY DATA SHEET (M S D S)

SECTION I PRODUCT IDENTIFICATION

Manufacturer: Englund LLC
8975 E Blue sage cir
Colorado Springs, Co. 80908

Phone: (720) 221-3249 **Fax:** (800) 933-0814

Trade Name: Slickoleum
Product Class: GREASE

Product Code: 5214B-001
C.A.S. Number: COMPLEX MIXTURE

Hazard Ratings: 0 = NONE 4 = EXTREME
HEALTH - 1 **FIRE - 1** **REACTIVITY - 0** **PERSONAL PROTECTION - B**

SECTION II HAZARDOUS INGREDIENTS

Ingredients	C.A.S. #	Weight %	----- Exposure Limits -----			VP mmHG
			ACGIH/TLV	OSHA/PEL		
CALCIUM STEARATE	3159-62-4	3-15	ppm	NONE		ppm 0
*ZINC DIALKYLDITHIOPHOSPHATE	N/A	1-3	ppm	NONE		ppm 0
PETROLEUM HYDROCARBON	64742-53-6	> 50	5	mg/M3	5	mg/M30
CHEMICALLY NEUTRALIZED HEAVY NAPHTHENIC PETROLEUM DISTILLATES	N/A	5-14	ppm	NONE		ppm 0
SOLVENT-DEWAXED HEAVY PARAFFINIC PETROLEUM DISTILLATES	64742-65-0	20-26	5	mg/M3	5	mg/M3
*ORGANIC ANTIMONY COMP.	UNKNOWN	1-3	0.5	mg/M3	0.5	mg/M3N/AV

THIS ORGANIC ANTIMONY COMPOUND INGREDIENT CONTAINS 50% ANTIMONY AND IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT

(continued)

*** ALL ingredients in this product are listed in the T.S.C.A Inventory.

SARA 311/312 CATEGORY - HEALTH HAZARD IMMEDIATE.

SARA 313- CONTAINS ORGANOMETALLIC ANTIMONY COMPOUND;
SEE SECTION II FOR DETAILS.

INGREDIENTS ARE PROPRIETARY. POTENTIAL HAZARDS HAVE BEEN EVALUATED AND PERTINENT INFORMATION HAS BEEN INCLUDED IN SECTIONS III - IX. EACH PROPRIETARY MATERIAL IS EITHER: 1. HELD A TRADE SECRET FROM SLICKOLEUM, 2. OSHA NON-HAZARDOUS OR BELOW 1% IF OSHA HAZARDOUS AND 3. BELOW 0.1% IF POTENTIALLY CARCINOGENIC.

* -> these items are listed on the SARA TITLE III Section 313 inventory

SECTION III PHYSICAL DATA

Boiling Range: N/A Vapor Density: Heavier than air
Evap. Rate: Slower than n-Butyl-Acetate Liquid Density: Lighter than water
Volatiles volume: N/A Wgt. per gallon: 7.57 pounds
Spec. Gravity: 0.91

Appearance: MEDIUM AMBER GREASE

V.O.C.: N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 1 Flash Point: N/A LEL: N/AV

-EXTINGUISHING MEDIA: CARBON DIOXIDE, OR DRY CHEMICAL FOAM

-SPECIAL FIREFIGHTING PROCEDURES: WATER STREAM MAY SPREAD FIRE, USE
WATER SPRAY TO COOL CONTAINERS NOT ON FIRE

-UNUSUAL FIRE AND EXPLOSION HAZARDS:

WILL NOT FLASH SPONTANEOUSLY. MAY IGNITE IF EXPOSED TO OPEN FLAME
BURNING OF ORGANIC ANTIMONY COMPONENT MAY PRODUCE OXIDES OF
ANTIMONY, SULFUR AND NITROGEN.

SECTION V HEALTH HAZARD DATA**-PERMISSIBLE EXPOSURE LEVEL:**

TWA = 5 MG/M³; STEL = 10 MG/M³ -- AS OIL MIST -- RESPIRATORY IRRITANT.

SEE SECTION II FOR CONCISE INFORMATION CONCERNING INGREDIENTS HAVING A PEL. ALSO NOTE ANTIMONY COMPOUNDS HAVE A TWA OF 0.5 MG/M³ AS ANTIMONY.

-EFFECTS OF OVEREXPOSURE:

INHALATION: NOT EXPECTED TO BE ACUTELY TOXIC BY INHALATION. BREATHING PETROLEUM OIL MIST AT CONCENTRATIONS IN AIR THAT EXCEED THE RECOMMENDED EXPOSURE STANDARD CAN CAUSE RESPIRATORY IRRITATION OR DISCOMFORT. LIKewise BREATHING ANTIMONY VAPORS ABOVE THE RECOMMENDED EXPOSURE STANDARD MAY BE HARMFUL.

SKIN: MAY CAUSE IRRITATION BASED ON DATA FROM COMPONENTS. PRIMARY HAZARD ASSOCIATED WITH GREASE IN HIGH PRESSURE GUN. IF INJECTED UNDER SKIN, NECROSIS COULD RESULT.

EYES: MAY CAUSE EYE IRRITATION BASED ON DATA FROM COMPONENTS.

SWALLOWING / INGESTION: MAY CAUSE IRRITATION, NAUSEA OR DIARRHEA. POSSIBLE ASPIRATION HAZARD.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN, BUT MAY AGGRAVATE EXISTING SKIN DISORDERS. NOT LISTED AS A POTENTIAL CARCINOGEN BY IARC, NTP, OR OSHA. ORGANIC ANTIMONY COMPONENT MAY CAUSE EYE OR SKIN IRRITATION.

-FIRST AID:

INHALATION: IF RESPIRATORY DISCOMFORT OR IRRITATION OCCURS, MOVE PERSON TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION AND GET MEDICAL IMMEDIATELY.

SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. LAUNDRER SOILED CLOTHES BEFORE REUSE. IF INJECTED UNDER THE SKIN GET MEDICAL ATTENTION IMMEDIATELY.

EYES: FLUSH EYES WITH WATER FOR 15 MINUETS, IF FILM OR IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SWALLOWING / INGESTION: DO NOT INDUCE VOMITING; CONTACT A PHYSICIAN

SECTION VI REACTIVITY DATA

STABILITY: [] UNSTABLE [X] STABLE

HAZARDOUS POLYMERIZATION: [] MAY OCCUR [X] WILL NOT OCCUR

-INCOMPATIBILITY: STRONG OXIDIZERS

-CONDITIONS TO AVOID:

AVOID CONDITIONS THAT MAY GENERATE AN OIL MIST. DO NOT EXPOSE THE PRODUCT TO STRONG OXIDIZERS OR EXCESSIVE HEAT.

-HAZARDOUS DECOMPOSITION PRODUCTS:

INCOMPLETE COMBUSTION CAN YIELD CARBON (SMOKE), CARBONMONOXIDE, VARIOUS HYDROCARBONS AND OXIDES OF ANTIMONY. OTHER TOXIC GASES, VAPORS AND SOLID RESIDUES MAY EVOLVE ON BURNING.

SECTION VII SPILL OR LEAK PROCEDURES

-IN CASE OF SPILL:

PICK UP MATERIAL AND PLACE IN CONTAINER FOR DISPOSAL.

-WASTE DISPOSAL METHOD:

EPA HAZARDOUS WASTE? NO

UTILIZE LICENSED WASTE DISPOSAL CONTRACTOR. CONSIDER RECYCLING OR CONTROLLED INCINERATION. UTILIZE PERMITTED INDUSTRIAL WASTE DISPOSAL SITE. FOLLOW ALL LOCAL, STATE AND FEDERAL GUIDELINES.

SECTION VIII SPECIAL PROTECTION INFORMATION

-RESPIRATORY PROTECTION:

UP TO 25 MG/M3, HALF MASK ORGANIC RESPIRATOR. UP TO 50 MG/M3, FULL FACE ORGANIC VAPOR RESPIRATOR OR SELF CONTAINED FULL FACE RESPIRATOR. GREATER THAN 50 MG/M3, FIRE FIGHTING OR UNKNOWN CONCENTRATION, USE SELF CONTAINED BREATHING APPARATUS WITH POSITIVE PRESSURE.

-VENTILATION:

MAINTAIN LOCAL OR DILUTION VENTILATION TO KEEP AIR CONCENTRATION BELOW PEL/TLV. REQUEST ASSISTANCE OF SAFETY AND INDUSTRIAL HYGIENE PERSONNEL TO DETERMINE AIR CONCENTRATION.

-PROTECTIVE GLOVES:

FOR PROLONGED CONTACT OR REPEATED CONTACT, USE NITRILE, NEOPRENE GLOVES OR OTHER MATERIAL RESISTANT TO PETROLEUM OILS.

-EYE PROTECTION:

SAFETY GLASSES, CHEMICAL GOGGLES, OR FACE SHIELD AS APPROPRIATE FOR EXPOSURE.

SECTION IX SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE CLEAN, DRY, BELOW 120°F (50°C) TO PRESERVE FOR INTENDED USE. DO NOT STORE WITH STRONG OXIDIZERS.

-OTHER PRECAUTIONS:

**DOT HAZARDOUS MATERIAL? NO DOT SHIPPING NAME AND NUMBER NOT APPLICABLE
DOT HAZARD CLASS NOT APPLICABLE**

RECOMMENDED CUSTOMER WARNING:

WARNING:

CONTAINS PETROLEUM HYDROCARBON LUBRICANT AND ORGANIC ANTIMONY COMPOUND. MAY CAUSE EYE OR SKIN IRRITATION. WASH SKIN WITH SOAP AND WATER. FLUSH EYES WITH WATER FOR A MINIMUM OF 15 MINUETS, OCCASIONAL LIFTING THE LOWER AND UPPER LIDS. IF FILM OR IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. MAY BE HARMFUL IF SWALLOWED. USE ONLY WITH ADEQUATE VENTILATION. IF INGESTED DO NOT INDUCE VOMITING, CONTACT A PHYSICIAN. KEEP AWAY FROM CHILDREN.

-ADDITIONAL CAUTIONS;

EMPTY CONTAINERS RETAIN PETROLEUM RESIDUE. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE THIS CONTAINER TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION. DO NOT ATTEMPT TO CLEAN. EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, BUNGED, AND PROMPTLY RETURNED TO A DRUM RECONDITIONER.

DISCLAIMER

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS PUBLICATION HAVE BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE AND REPRESENT THE BEST CURRENT OPINION ON THE SUBJECT AT THE TIME OF PUBLICATION. SINCE WE CAN NOT ANTICIPATE OR CONTROL THE MANY DIFFERENT CONDITIONS UNDER WHICH THIS INFORMATION MAT BE USED, WE MAKE NO GUARANTEE THAT THE RECOMMENDATIONS WILL BE ADEQUATE FOR ALL INDIVIDUALS OR SITUATIONS. EACH USER OF THE PRODUCT DESCRIBED HEREIN SHOULD DETERMINE THE SUITABILITY OF THE DESCRIBED PRODUCT FOR HIS PARTICULAR PURPOSE AND SHOULD COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS CONCERNING THE DESCRIBED PRODUCT.

ABBREVIATIONS:

N/A	NOT APPLICABLE	PEL	PERMISSIBLE EXPOSURE LIMIT
N/K	NOT KNOWN	TWA	TIME WEIGHTED AVERAGE
N/AV	NOT AVAILABLE	TLV	THRESHOLD LIMIT VALUE
COC	CLEVELAND OPEN CUP	STEL	SHORT TERM EXPOSURE LIMIT.
PMCC	PENSKI-MARTENS CLOSED CUP		
G	GRAM	DOT	DEPARTMENT OF TRANSPORTATION
MG	MILLIGRAM	OSHA	OCCUPATIONAL HEALTH AND
M3	CUBIC METER		SAFETY ADMINISTRATION.
LD 50	LETHAL DOSE 50%		
LC 50	LETHAL CONCENTRATION 50%		
EPA	ENVIRONMENTAL PROTECTION AGENCY		
SAE	SOCIETY OF AUTOMOTIVE ENGINEERS		
ISO	INTERNATIONAL STANDARDS ORGANIZATION		

THIS PRODUCT CONTAINS A CHEMICAL WHICH IS BEING NOTIFIED AND TRACKED BY ITS MANUFACTURER AS REQUIRED BY THE CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA). FOR COMPLIANCE WITH CEPA, THIS PRODUCT MAY BE EXPORTED INTO CANADA ONLY WHEN THE ACTIVE EXPORTING COMPANY PARTICIPATES IN THE TRACKING PROCEDURE.