

1. PRODUCT AND COMPANY IDENTIFICATION

COMMON NAME:	Kearnalex 118 with Grit, Catalogue Number: 30584-3, -25		
CHEMICAL NAME:	Proprietary		
PRODUCT DESCRIPTION:	Castor Oil Derivative		
FORMULA:	Not Available		
PRODUCT CAS NO.:	Proprietary		
SUPPLIER:	Cooper Industries/Cooper Power Systems		
ADDRESS:	3660 South School Avenue		
CITY, STATE, ZIP:	Fayetteville, AR 72701		
PHONE:	(479) 521-3700	EMERGENCY PHONE: CHEMTREC (800) 424-9300	

2. HAZARDOUS INGREDIENTS: COMPOSITION/INFORMATION

INGREDIENT	% WEIGHT	PEL-OSHA	TLV-ACGIH	LD ₅₀ /LC ₅₀ ROUTE/SPECIES
Zinc Dust CAS No.: 7440-66-6 FORMULA: Zn	15	15 mg/m ³ (ZnO, total) 5 mg/m ³ (ZnO, respirable)	2 mg/m ³ (ZnO, respirable) 10 mg/m ³ (ZnO, respirable) (STEL)	No Data

OSHA Regulatory Status: As supplied, this product is not considered hazardous under criteria of this rule.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Thick gray abrasive grease with mild odor. May cause mild eye and skin irritation. Inhalation is not expected under normal working conditions. Mists and fumes generated at elevated temperatures may cause irritation. May release diisocyanates and zinc oxide when heated to decomposition temperatures.

POTENTIAL HEALTH EFFECTS

EYE: May cause mild irritation. Abrasive particles present in grease may scratch the surface of the eye causing irritation, redness, and light sensitivity.

SKIN: May cause mild irritation or physical abrasion.

INGESTION: May cause nausea and vomiting or have a strong laxative effect.

INHALATION: Not expected under normal working conditions. Mists and fumes produced at elevated temperatures may cause respiratory irritation and lung effects (See Section 11).

SIGNS AND SYMPTOMS: May cause minor irritation or physical abrasions.

CHRONIC: None known.

POTENTIAL HEALTH EFFECTS (continued):

CARCINOGENICITY: IARC: No NTP: No OSHA: No

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

TARGET ORGANS: None known.

4. FIRST AID MEASURES

EYE: DO NOT RUB THE EYES. Flush eyes with large amounts of lukewarm water for 15 minutes, holding eyelids open to ensure adequate rinsing. If irritation persists, or abrasion is suspected, seek medical attention.

SKIN: Wash skin thoroughly with soap and water. Discard or clean contaminated clothing. If irritation occurs, seek medical attention.

INGESTION: Consult a physician.

INHALATION: Not expected. If mists or fumes from heated product are inhaled, remove to fresh air and give artificial respiration as oxygen if indicated. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: > 260 °C/ > 500 °F

FLAMMABLE LIMITS: LEL: Not Available UEL: Not Available

NFPA HAZARD CLASSIFICATION:

HEALTH: 1 FLAMMABILITY: 1 INSTABILITY: 0

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

FIRE AND EXPLOSION HAZARDS: Combustible grease. Lubricant will burn but must be heated before ignition will occur. Thermal decomposition will produce carbon and zinc oxides, hazardous diisocyanates, and other oxidation products.

FIRE FIGHTING INSTRUCTIONS: Firefighters should wear a NIOSH-approved, full-facepiece self-contained breathing apparatus (SCBA) operated in positive pressure mode and full turnout or bunker gear. Use water to cool fire exposed containers. Continue to cool until after flames are extinguished.

6. ACCIDENTAL RELEASE MEASURES

Isolate area of spill and extinguish ignition sources. Do not walk through spilled material. Use appropriate protective equipment (See Section 8). Wipe or scoop up spilled material and place in a clean container for disposal. Use sand or vermiculite as necessary to absorb excess material. Thoroughly clean area of spill to prevent slipping.

7. HANDLING AND STORAGE

Store in cool area in closed containers. Keep away from heat sources and oxidizing materials. Contact with water for extended periods of time may result in the formation of flammable hydrogen gas. Concentrations may become flammable in enclosed spaces. Do not smoke in work or storage areas. Keep container closed when not in use. Avoid skin and eye contact. Wash thoroughly after handling, before meals and breaks and before leaving the work area. Protect containers from physical damage. Store upright and prevent containers being knocked over. Launder contaminated clothing before re-use and discard clothing that cannot be properly cleaned. DO NOT crush, puncture, heat, incinerate or weld on or near empty or full containers. High temperatures may release diisocyanates, substances that may cause irritation and respiratory sensitization at low concentrations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Under normal working conditions below acceptable exposure guidelines, none required. Respiratory protection depends upon the magnitude of exposure and should be selected in accordance with 29 CFR Part 1910.134.

SKIN PROTECTION: Protective gloves of appropriate material.

EYE PROTECTION: Safety glasses or goggles.

ENGINEERING CONTROLS: General ventilation. Use local exhaust ventilation in areas where product is heated.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Thick gray abrasive grease
ODOR:	Mild
BOILING POINT:	No Data
VAPOR PRESSURE:	Not Applicable
VAPOR DENSITY (Air = 1):	> 1
SOLUBILITY IN WATER:	Insoluble
SPECIFIC GRAVITY:	1.27
MELTING POINT:	No Data
pH:	Essentially neutral
% VOLATILE:	Negligible

10. STABILITY AND REACTIVITY

STABILITY: Stable.

INCOMPATIBLE MATERIALS/CONDITIONS: Incompatible with strong oxidizers. Avoid high temperatures, open flames and prolonged contact with water.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition products may include carbon oxides, diisocyanates and other oxidation products.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

INHALATION: No toxicological test data is available for mixture. Grease does not have volatile ingredients and inhalation is not expected under normal working conditions. Grease may give off diisocyanates or zinc oxide at high temperatures. Some diisocyanates may cause irritation and respiratory sensitization. Zinc oxide may cause irritation and brief flu-like illness (metal fume fever) characterized by fever, weakness, and chills.

SKIN AND EYE: Industrial experience indicates product may cause minor irritation.

OTHER: Based on manufacturer's information, product is not expected to be toxic if ingested. Ingestion may have effects similar to those caused by castor oil.

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12. ECOLOGICAL INFORMATION

Does not contain Class I or II ozone depleting substances. Specific ecotoxicity values were unavailable. Toxic effects are expected to resemble those seen in humans and test animals.

13. DISPOSAL CONSIDERATIONS

Recycle, reclaim and dispose of in accordance with applicable state, local and federal regulations.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME:	Not Applicable
HAZARD CLASS:	Not Applicable
IDENTIFICATION NUMBER:	Not Applicable
SHIPPING LABEL:	Not Applicable
PACKING GROUP:	Not Applicable

15. REGULATORY INFORMATION

WHMIS CLASSIFICATION: Not Classified

SARA TITLE III – SECTION 313 SUPPLIER NOTIFICATION: This product does not contain ingredients subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and 40 CFR 372.

CALIFORNIA PROPOSITION 65: This product does not contain ingredients known to the State of California to cause cancer or reproductive toxicity.

16. OTHER INFORMATION

KEY:	
ACGIH:	American Conference of Governmental Industrial Hygienists
CAS:	Chemical Abstracts Service
DOT:	Department of Transportation
IARC:	International Agency for Research on Cancer
MSHA:	Mine Safety and Health Administration
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
SARA:	Superfund Amendment and Reauthorization Act
TDG:	Transportation of Dangerous Goods
TLV:	Threshold Limit Value
WHMIS:	Workplace Hazardous Materials Information System

DISCLAIMER

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