

MATERIAL SAFETY DATA SHEET

LONE STAR LUBRICANTS
2232 MONEDA ST.
FORT WORTH, TX 76117-5310
(817) 831-2522 Fax (817) 834-0447

SECTION I

IDENTITY (AS USED ON LABEL): LS-558 Kronaplate (K-558)
CHEMICAL NAMES AND SYNONYMS: Grease
CHEMICAL FAMILY: Not applicable
FORMULA: Complex mixture
DATE PREPARED: March 24, 2008
INFORMATION OR EMERGENCY PHONE: (817) 831-2522
PREPARED BY: CHEMICAL COMMUNICATIONS COORDINATOR
LONE STAR LUBRICANTS, 2232 Moneda St. Ft. Worth, TX 76117

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
SPECIAL NOTICE: -

SECTION II - HAZARDOUS COMPONENTS

CONCENTRATIONS

Molybdenum Disulfide (CAS #1317-33-5)		
ACGIH TLV:	10 mg/m ³ as Mo	
OSHA PEL:	10 mg/m ³ as Mo	Trade Secret
Organic Barium Compound (CAS # 25619-56-1)*		
ACGIH TLV:	No Listing	
OSHA PEL:	No Listing	<10%
Mineral Oil (Solvent Refined)		
ACGIH TLV:	5 mg/m ³ (as oil mist)	
OSHA PEL:	5 mg/m ³ (as oil mist)	Trade Secret

* This chemical is subject to the Reporting Requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and CFR Part 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point:	Not available
Density (lb/gal):	7.8
Vapor Pressure (m Hg.):	Not available
Melting Point:	Not available
Vapor Density (AIR=1):	Not available
Evaporation Rate:	
(Butyl Acetate = 1)	<1
Solubility in Water:	Nil
Appearance and Odor:	Gray/black grease, slight odor.
Volatile Organic Compound - Voc (grams/liter):	Not applicable

SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA

Flash Point (Method Used):	>400°F (C.O.C.)
Flammable Limits:	
LEL -	Not determined for product
UEL-	Not determined for product
Extinguishing Media:	CO ₂ , Foam, Dry Chemical or Halon
Special Fire Fighting Procedures:	
Wear self-contained breathing apparatus. Do not extinguish with water.	
Unusual Fire and Explosion Hazards:	
Irritating and/or toxic fumes, including CO, CO ₂ , and NOX may be released in a firesituation.	

SECTION V - REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Open flame
Incompatibility (Materials to Avoid):	
Strong oxidizing agents	
Hazardous Decomposition Products:	
Irritating and/or toxic fumes including Copper, Sulfur and Carbon Compounds may be released.	
Hazardous Polymerization:	None
Conditions to Avoid:	None

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not determined for product, see Section II.

Route(s) of Entry:	
Inhalation?	Yes
Skin?	Yes
Ingestion?	Yes

IDENTITY: LS-558

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TOXICITY (ACUTE AND CHRONIC):

Molybdenum compounds may be slightly irritating.

CARCINOGENICITY: NTP-NO IARC-NO OSHA-NO

This organic barium compound (CAS # 25619-56-1) has an oral LD50 (rat) of 3.5 ml/kg, an inhalation LC50 (rat) >21 ml/l and a dermal LD50 (rabbits) >2 ml/kg.

It is a moderate skin and eye irritant.

CARCINOGENICITY: NTP-NO IARC-NO OSHA-NO

Mineral oils (solvent refined) may cause skin irritation.

CARCINOGENICITY: NTP-NO IARC-NO OSHA-NO

HEALTH HAZARDS:

Eyes - can cause irritation , redness, blurred vision.

Skin - prolonged contact can cause irritation and dermatitis.

Ingestion - can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

EMERGENCY AND FIRST AID:

Skin - wash with soap and water.

Eyes - flush with copious amounts of water, get medical attention.

Ingestion - do not induce vomiting, keep warm, get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken in Case Material is Released for Spilled:

Clean spill with absorbent material

Eliminate ignition sources

Do not store oily materials in enclosed containers for long periods of time

Wear gloves, goggles and gas mask if TWA's are exceeded.

Waste Disposal Methods:

Dispose of waste in a chemical landfill as approved by current local, state and federal laws and regulations.

Precautions to be Taken in Handling and Storing:

Protect from physical damage. Store in a cool, dry, ventilated area away from acids, alkalis, and open flames.

Other Precautions:

None

SECTION VIII - CONTROL MEASURES

Respiratory Protection:

Use NIOSH approved organic respirator if TWA/TLV limits are exceeded.

Ventilation:

Local Exhaust -

Use to maintain levels below TWA limits.

Mechanical -

Use non sparking equipment.

Special:

None

Other:

None

Protective Gloves:

Chemical resistant gloves

Eye Protection:

Wear safety glasses or goggles

Other Protective Equipment or Practices:

None

INFORMATION ON THIS FORM IS FURNISHED SOLELY FOR THE PURPOSE OF COMPLIANCE WITH OSHA'S HAZARD COMMUNICATION STANDARD, 29CFR 1910.1200 AND SHALL NOT BE USED FOR ANY OTHER PURPOSE.

(SIMILAR TO OSHA FORM 174)
