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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** 133K ANTI-SEIZE LUBRICANT 80Z  
**Item No:** 80078  
**Product Type:** Lubricant

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
LITHIUM GREASE Mixture	30-40	5 mg/m <sup>3</sup> (oil mist)	5 mg/m <sup>3</sup> (oil mist)
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5	20-30	5 mg/m <sup>3</sup> mist	5 mg/m <sup>3</sup> mist
CALCIUM OXIDE 1305-78-8	15-25	2 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
GRAPHITE 7782-42-5	1-10	2 mg/m <sup>3</sup> respir.dust	5 mg/m <sup>3</sup> TWA respir.; 15mg/m <sup>3</sup> total
MINERAL OIL 64741-44-2	1-10	5 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA
ALUMINIUM POWDER (PYROPHORIC) 7429-90-5	5-15	metal dust, as Al: 10 mg/m <sup>3</sup> TWA	total dust, as Al: 15 mg/m <sup>3</sup> TWA; respirable fraction, as Al: 5 mg/m <sup>3</sup> TWA
SILICA, QUARTZ 14808-60-7	0.1-1.0	0.1 mg/m <sup>3</sup> TWA respirable	0.1 mg/m <sup>3</sup> TWA respirable

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye and skin irritation. May cause nose, throat and respiratory irritation. May cause gastrointestinal irritation. May cause central nervous system (CNS) depression.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.

**Signs and Symptoms of Exposure:** Overexposure may cause eye and skin redness, difficulty breathing and vomiting. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Inhalation of dust at levels above recommended exposure limit may cause metallic or sweet taste, irritation of pharynx and possible ulceration with perforation of the nasal septum. Repeated skin contact may cause allergic skin reactions.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
SILICA, QUARTZ 14808-60-7	0.1-1.0	Known Carcinogen	Not known	Group 1; Vol. 68; 1997

**Medical Conditions Recognized as Being Aggravated by Exposure:** Persons with respiratory problems such as emphysema and asthma should avoid inhalation.

### 4. FIRST AID MEASURES

**Ingestion:** If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

**Skin Contact:** Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** Greater than 200 degrees F. Method: Tag Closed Cup

**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.

**Special Fire-Fighting Procedures:**

Firefighters should wear self-contained breathing apparatus. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

**Hazardous Products Formed by Fire or Thermal**

Metal oxide fumes, Oxides of carbon. Incomplete combustion may emit component hydrocarbons.

**Decomposition:**

**Unusual Fire/Explosion Hazards:**

May ignite when sufficient heat is applied.

**Lower Explosive Limit:**

30% aluminum metal; 1% oil

**Upper Explosive Limit:**

7% oil

**6. ACCIDENTAL RELEASE MEASURES**

**Spill Procedures:**

Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

**7. HANDLING AND STORAGE**

**Storage:**

Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F.

**Handling:**

Avoid prolonged skin contact. Keep away from eyes. Do not inhale vapors. Do not use near heat, sparks or open flame. Wash hands and face after handling this compound.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:**

Safety glasses or goggles.

**Skin:**

Neoprene or nitrile gloves recommended.

**Ventilation:**

Provide adequate local ventilation to maintain vapor concentration below TLV if misting of oil occurs.

**Respiratory Protection:**

Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is likely, use positive pressure or self contained breathing apparatus.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Silver paste

**Odor:**

PETROLEUM

**Boiling Point (°F):**

Not determined

**pH:**

Does not apply

**Solubility in Water:**

Nil

**Specific Gravity:**

1.17

**VOC Content(Wt.%):**

Not determined

**Vapor Pressure:**

Less than 5 mm Hg

**Vapor Density (Air=1):**

Not Determined

**Evaporation Rate:**

Not Determined

**10. STABILITY AND REACTIVITY**

**Chemical Stability:**

Stable at normal conditions

**Hazardous Polymerization:**

WILL NOT OCCUR

**Incompatibilities:**

Strong oxidizers, alkalies, mineral acids, selected amines.

**Conditions to Avoid:**

Do not expose to heat or store at temperatures above 120 F.

**Hazardous Products Formed by Fire or Thermal**

Metal oxide fumes, Oxides of carbon. Incomplete combustion may emit component hydrocarbons.

**Decomposition:**

**11. TOXICOLOGICAL INFORMATION**

See Section 3

**12. ECOLOGICAL INFORMATION**

No data available

**13. DISPOSAL CONSIDERATIONS**

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations.

**US EPA Waste Number:**

D001

**14. TRANSPORTATION INFORMATION**

DOT (49CFR 172)

**Domestic Ground Transport**

**DOT Shipping Name:**

Unrestricted

**Hazard Class:**

NONE

**UN/ID Number:** None  
**Marine Pollutant:** None

**IATA**

**Proper Shipping Name:** Unrestricted  
**Class or Division:** None  
**UN/NA Number:** None

**IMDG**

**Proper Shipping:** Unrestricted  
**Hazard Class:** None  
**UN Number:** None

**15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

**SARA 313 Information**

NONE

**CALIFORNIA PROP 65:**

No California Prop 65 chemicals are known to be present.

**TSCA Inventory Status:**

**Listed on Inventory:** YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

**16. OTHER INFORMATION**

**Estimated NFPA Rating:** HEALTH 1, FLAMMABILITY 1, REACTIVITY 1

**Estimated HMIS Classification:** HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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