

Supplier:
 Permatex, Inc.
 10 Columbus Blvd.
 Hartford, CT 06106
 Telephone: 1-87-Permatex
 (877) 376-2839

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: |
|--|---------|---------------------------------|---|
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5 | 50-60 | 5 mg/m3 mist | 5 mg/m3 mist |
| CALCIUM OXIDE 1305-78-8 | 15-25 | 2 mg/m3 | 5 mg/m3 |
| ALUMINIUM POWDER (PYROPHORIC) 7429-90-5 | 5-15 | metal dust, as Al: 10 mg/m3 TWA | total dust, as Al: 15 mg/m3 TWA; respirable fraction, as Al: 5 mg/m3 TWA |
| GRAPHITE 7782-42-5 | 1-10 | 2 mg/m3 TWA respir. | 5 mg/m3 TWA respir.; 15mg/m3 total |
| MINERAL OIL 64741-44-2 | 1-10 | 5 mg/m3 TWA | 10 mg/m3 TWA |
| LITHIUM SOAP 7620-77-1 | 1-10 | | |
| SILICA, QUARTZ 14808-60-7 | 0.1-1.0 | 0.05 mg/m3 TWA respirable | 0.1 mg/m3 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 | | 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.

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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 Decomposition: | Metal oxide fumes, Oxides of carbon. Nitrogen compounds, Barium oxide. Sulfur dioxide. Hydrogen sulfide, Zinc. |
| 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, alkalis, 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 Decomposition: | Metal oxide fumes, Oxides of carbon. Nitrogen compounds, Barium oxide. Sulfur dioxide. Hydrogen sulfide, Zinc. |

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.

Product Name: 133K ANTI-SEIZE LUBRICANT 8OZ
Item No: 80078

US EPA Waste Number: D001

14. TRANSPORT 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.
NONE

CALIFORNIA PROP 65:

No California Prop 65 chemicals are known to be present.

TSCA Inventory Status:

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.

Prepared By: Denise Boyd Health and Safety Manager
Company: Permatex, Inc. 10 Columbus Blvd. Hartford, CT 06106
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