

Supplier:
 Permatex, Inc.
 10 Columbus Blvd.
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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 133-K ANTI-SEIZE 8 OZ.
 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	45-55	5 mg/m ³ mist	5 mg/m ³ mist
ALUMINIUM POWDER (PYROPHORIC) 7429-90-5	20-30	metal dust, as Al: 10 mg/m ³ TWA	total dust, as Al: 15 mg/m ³ TWA; respirable fraction, as Al: 5 mg/m ³ TWA
GRAPHITE 7782-42-5	10-20	3 mg/m ³ TWA	3 mg/m ³ TWA
MINERAL OIL 64741-44-2	1-10	5 mg/m ³ TWA	10 mg/m ³ TWA
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY 64742-48-9	1-10		
COPPER 7440-50-8	1-10	1.0 mg/m ³ (dust and mist); 0.2 mg/m ³ (fumes)	1.0 mg/m ³ (dust and mist); 0.1 mg/m ³ (fumes)
LITHIUM SOAP 7620-77-1	1-10		

3. HAZARDS IDENTIFICATION

Toxicity:

Exposure to vapors or mist may result in irritation of the respiratory tract. If ingested, will irritate esophagus and stomach. Irritates mucous membranes. May cause eye and skin irritation. May cause central nervous system (CNS) depression. May cause skin sensitization. Repeated and prolonged inhalation of graphite dust may cause pulmonary fibrosis, emphysema and pneumoconiosis. Eye and skin contact, ingestion, inhalation.

Primary Routes of Entry:

Signs and Symptoms of Exposure:

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. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea. Overexposure may cause eye and skin redness. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Hemolysis, jaundice, anuria, hypotension and convulsions may indicate acute copper poisoning.

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.

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5. FIRE FIGHTING MEASURES

Flash Point (°F/C): More than 200 degrees F. Method: Tag Closed Cup
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam. DO NOT use water.
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus.
Hazardous Products Formed by Fire or Thermal Decomposition: Metal oxide fumes, Oxides of nitrogen, Oxides of barium. Oxides of sulfur, Hydrogen sulfide, Oxides of zinc.
Unusual Fire/Explosion Hazards: Closed containers may rupture or explode when exposed to extreme heat.
Lower Explosive Limit: 30% Aluminum metal
Upper Explosive Limit: Not determined.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Oil resistant neoprene or plastic gloves.
Ventilation: Provide adequate local ventilation to maintain vapor concentration below TLV if misting of oil occurs.
Respiratory Protection: An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Silver paste
Odor: Petroleum Odor
Boiling Point (°F): Not determined.
pH: Does not apply
Solubility in Water: Nil
Specific Gravity: 1.17
VOC Content(Wt.%): 13.81% by weight; 162 g/l
Vapor Pressure: Less than 5 mm Hg
Vapor Density (Air=1): >1 (air = 1)
Evaporation Rate: <1 (butyl acetate = 1)

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: High temperatures.
Hazardous Products Formed by Fire or Thermal Decomposition: Metal oxide fumes, Oxides of nitrogen, Oxides of barium. Oxides of sulfur, Hydrogen sulfide, Oxides of 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.
US EPA Waste Number: D001 as per 40CFR 261.21

14. TRANSPORT INFORMATION

Product Name: 133-K ANTI-SEIZE 8 OZ.
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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
COPPER

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: FLAMMABILITY 1, REACTIVITY 1, HEALTH 1

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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