

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Copper Based Anti-Seize 367 **Product Type:** Anti-Seize Compound
Company : Hernon Manufacturing, Inc. **Contact Information:** Telephone: 407-322-4000
121 Tech Drive Emergency Telephone: 800-255-3924
Sanford, FL 32771 Web Site: www.hernon.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Semisolid paste
Color: Copper/bronze
Odor: Petroleum

HMIS:
HEALTH: 1
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

WARNING: MAY CAUSE EYE, AND SKIN IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

Primary Routes of Entry: Skin, Eyes

Signs and Symptoms of Exposure:

Inhalation: Viscous nature may block breathing passages if inhaled.

Skin contact: May cause skin irritation.

Eye contact: Contact with eyes may cause irritation.

Ingestion: May cause diarrhea.

Existing Conditions Aggravated by Exposure: Eye, skin, and respiratory disorders.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Petroleum Oil	40-60	None	1 mg/m ³ TWA oil mist	10 mg/m ³ STEL
Nonhazardous Blend	30-60	None	None	None
Metallic Copper	5-10	1mg/m ³	None	2 mg/m ³ STEL

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.

Eye Contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (TCC):	430°F
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical, sand, earth, water mist
Special Firefighting Procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Hazardous Combustion Products:	Oxides of carbon, sulfur, and nitrogen.
Unusual Fire or Explosion Hazards:	None
Flammable/Explosive Limits – lower %:	0.9
Flammable/Explosive Limits – upper %:	7.0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear proper protective equipment
Measures for Environmental Protection:	Do not allow entry into drains or surface waters
Clean-up Measures:	Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation.
Storage:	Store between 46° and 82°F unless otherwise labeled to preserve shelf life.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye/Face Protection:	Safety glasses or goggles with side shields
Skin Protection:	Use rubber or plastic gloves, and protective clothing as necessary
Respiratory Protection:	Use NIOSH approved respirator if there is a potential to exceed exposure limits
Engineering Controls:	Forced ventilation may be required if concentrations exceed exposure limits

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Semisolid paste
Color:	Copper/bronze
Odor:	Petroleum
Vapor Pressure:	Less than 0.01 kPa
Vapor Density:	> 5
Solubility in Water:	Nil
Specific Gravity:	1.15
Boiling Point:	> 300°F
Volatile Organic Compound Content	Not available
Evaporation Rate (Ether = 1)	< 0.01
pH:	Neutral

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides.
Incompatibility:	Strong inorganic & organic acids, oxidizing & copper reactive agents.

11. TOXICOLOGICAL INFORMATION

Ingredients:	Literature Referenced Target Organ and Other Health Effects	Carcinogen Status		
		NTP	IARC	OSHA
Petroleum Oil	No data	NO	NO	NO
Nonhazardous Blend	No data	NO	NO	NO
Metallic Copper	No data	NO	NO	NO

12. ECOLOGICAL INFORMATION

Water Hazard:	Do not allow entry into drains or surface waters
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13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal:	Dispose of according to Federal, State and Local regulations.
EPA Hazardous Waste Number:	Not an RCRA hazardous waste

14. TRANSPORTATION INFORMATION**U.S. Dept. of Transportation Ground (49 CFR):**

Proper Shipping Name	Unrestricted
Hazard Class or Division:	None
Identification Number	None
Packing group:	None

International Air Transportation (ICAO/IATA):

Proper Shipping Name:	Unrestricted
Hazard Class or Division:	None
Identification Number	None
Packing group:	None

Water Transportation (IMO/IMDG):

Proper Shipping Name:	Unrestricted
Hazard Class or Division:	None
Identification Number	None
Packing group:	None
Marine pollutant:	None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory

CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): Copper

16. OTHER INFORMATION

Prepared By: Jerry Litteral
Title: Director - Quality & Development

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