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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: PERMA POXY COPPER EPOXY STICK 56G
Item No: 84301
Product Type: Epoxy resin

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} 25068-38-6	10-45	Not Listed	Not Listed
MERCAPTAN AMINE BLEND MIXTURE	10-40	Not Listed	Not Listed
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL 90-72-2	1-15	Not Listed	Not Listed
SILICA, QUARTZ 14808-60-7	<1	0.1 mg/m ³ TWA respirable	0.1 mg/m ³ TWA respirable

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye and skin irritation. May cause skin sensitization. May be harmful if swallowed.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation.
Signs and Symptoms of Exposure: Ingestion may cause nausea and vomiting. Overexposure may cause eye and skin redness. Repeated skin contact may cause allergic skin reactions.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
SILICA, QUARTZ 14808-60-7	<1	Known Carcinogen		Group 1; Vol. 68; 1997

Medical Conditions Recognized as Being Aggravated by Exposure: Preexisting skin disorders.

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: Wash with soap and water. Seek medical attention if irritation persists.
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): >300 F. Method: TOC
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing.
Hazardous Products Formed by Fire or Thermal Decomposition: Oxides of carbon. Oxides of nitrogen, Ammonia
Unusual Fire/Explosion Hazards: None
Lower Explosive Limit: Not determined.
Upper Explosive Limit: Not determined.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Maintain good ventilation. Scrape up putty and place in an appropriate waste container for disposal.

7. HANDLING AND STORAGE

Storage: Store in a cool, dry area.

Handling: Avoid contact with skin and eyes. Discard contaminated leather gloves and shoes. Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.

Skin: Polyethylene or rubber gloves

Ventilation: General ventilation is usually adequate.

Respiratory Protection: Not normally necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Putty (color varies)

Odor: LOW

Boiling Point (°F): Not applicable

pH: Does not apply

Solubility in Water: Negligible

Specific Gravity: 1.9

VOC Content(Wt.%): None

Vapor Pressure: Nil at 78F.

Vapor Density (Air=1): >1

Evaporation Rate: <1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability:

STABLE

Hazardous Polymerization:

WILL NOT OCCUR

Incompatibilities:

Strong oxidizers.

Conditions to Avoid:

Excessive heat.

Hazardous Products Formed by Fire or Thermal

Oxides of carbon. Oxides of nitrogen, Ammonia

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: NH - Not a RCRA Hazardous Waste Material

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 at or above the No Significant Risk Level.

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 0

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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