

Permatex, Inc.  
 10 Columbus Blvd.  
 Hartford, CT 06106 USA  
 Telephone: 1-87-Permatex  
 (877) 376-2839  
 Emergency: 800-255-3924

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** PERMA POXY ALUMINUM EPOXY STICK 56G  
**Item No:** 84304  
**Product Type:** Epoxy resin

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Weight Percent	ACGIH TLV:	OSHA PEL:
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 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	0.05 mg/m <sup>3</sup> TWA respirable	0.1 mg/m <sup>3</sup> TWA respirable

### 4. FIRST AID MEASURES

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapors Oxygen or artificial respiration if needed Obtain medical attention

**Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes If skin irritation persists, call a physician

**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.

### 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.

Ingredient	Weight Percent	NTP	ACGIH Carcinogens	IARC
SILICA, QUARTZ 14808-60-7	<1		A2 - Suspected Human Carcinogen	Group 1; Monograph 68, 1997 (inhaled)

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

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** >300 F. Method: TOC

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

**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus and protective clothing to prevent all skin and eye contact

**Hazardous Products of Combustion:** Oxides of carbon, Oxides of nitrogen, Ammonia, Aldehydes, Oxides of sulfur

**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; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

**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:** Putty (color varies)

**Odor:** Slight

**Boiling Point:** Not determined

**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:**

Heat

**Hazardous Products of Combustion:**

Oxides of carbon, Oxides of nitrogen, Ammonia, Aldehydes, Oxides of sulfur

## **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:** Not regulated

**Class or Division:** None

**UN/NA Number:** None

**Product name:** PERMA POXY ALUMINUM EPOXY STICK  
56G

**Item No:** 84304

**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 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.

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

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