

Permatex, Inc.  
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(877) 376-2839  
Emergency: 800-255-3924

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: 84101 PERMA POXY 5 MIN GEN PURPOSE EPOXY 25ML PART 1  
Item No: 202002B  
Product Type: Epoxy resin

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
BISPHENOL A/EPICHLOROXYDRIN BASED EPOXY RESIN 25068-38-6	30-60	Not Listed	Not Listed
BISPHENOL F/EPICHLOROXYDRIN EPOXY BASED RESIN 28064-14-4	30-60	Not established	Not established

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye and skin irritation. May cause skin sensitization.  
**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.  
**Signs and Symptoms of Exposure:** Based on testing, this product is not likely to be an inhalation hazard and is considered to have a low order of acute toxicity. May cause skin irritation. Repeated skin contact may cause allergic skin reactions. Slightly irritating to eyes, but does not injure eye tissue.

**Medical Conditions Recognized as Being Aggravated by Exposure:** Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

### 4. FIRST AID MEASURES

**Ingestion:** No harmful effects are expected. See physician if irritation develops.  
**Inhalation:** This product has a very low vapor pressure. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor, remove from exposure and seek medical attention if distress or irritation persists.  
**Skin Contact:** Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.  
**Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** 480F Method: PMCC  
**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.  
**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus. Use water spray to cool exposed containers.  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Carbon monoxide, Aldehydes, Acid vapors.  
**Unusual Fire/Explosion Hazards:** None  
**Lower Explosive Limit:** Not determined.  
**Upper Explosive Limit:** Not determined.

### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Prevent from entering waterways or sewers.

### 7. HANDLING AND STORAGE

**Storage:** Store away from heat.

**Handling:** Avoid contact with vapors from heated material. Avoid contact with skin and eyes. Wash thoroughly after handling. Discard contaminated leather gloves and shoes.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Safety glasses or goggles.  
**Skin:** Neoprene, rubber or butyl rubber gloves Launder contaminated clothing before reuse.  
**Ventilation:** General ventilation is usually adequate.  
**Respiratory Protection:** Not normally necessary.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Colorless to light yellow liquid  
**Odor:** Epoxy odor.  
**Boiling Point (°F):** >500F  
**pH:** Does not apply  
**Solubility in Water:** Negligible  
**Specific Gravity:** 1.2  
**VOC Content(Wt.%):** None  
**Vapor Pressure:** 0.03 @ 77C  
**Vapor Density (Air=1):** Not Determined  
**Evaporation Rate:** Not Determined

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:** STABLE  
**Hazardous Polymerization:** WILL NOT OCCUR  
**Incompatibilities:** Acids, Avoid contact with bases and strong oxidizers. Amines.  
**Conditions to Avoid:** Excess heating above 150 degrees F. over long periods of time degrades the resin.  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Carbon monoxide, Aldehydes, Acid vapors.

## **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.

**Product name:** 84101 PERMA POXY 5 MIN GEN  
PURPOSE EPOXY 25ML PART 1

**Item** 202002B

**SARA 313 Information**

NONE

**CALIFORNIA PROP 65:**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**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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**Revision Date:** 05/28/2003  
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International Emergency: 813-348-0585

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: 84101 PERMA POXY 5 MIN. GEN. PURPOSE EPOXY PART 2 25ML  
Item No: PTX203002B  
Product Type: Curing agent

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
MERCAPTAN POLYMER MIXTURE	85-95	Not Listed	Not Listed
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL 90-72-2	1-10	Not Listed	Not Listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye, skin and respiratory irritation. May be harmful if swallowed. The aminophenol can cause severe irritation and may be corrosive on prolonged contact. It may be a sensitizer. It can also be corrosive to eye tissue, leading to permanent injury including blindness. It may irritate the respiratory tract and may cause delayed lung damage upon overexposure to fumes or vapors. It can cause fatigue, muscular weakness, labored breathing or gastrointestinal irritation if swallowed. The relatively low concentration of the aminophenol in the product may minimize some or all of these effects.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.

**Signs and Symptoms of Exposure:** Eyes: Exposure to liquid or vapor causes mild eye irritation. Symptoms may include burning, tearing, redness, stinging, blurred vision and corneal injury. Ingestion may cause nausea and vomiting. Inhaling may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. Skin redness.

**Medical Conditions Recognized as Being Aggravated by Exposure:** Persons with respiratory problems such as emphysema and asthma should avoid inhalation. Preexisting skin disorders.

### 4. FIRST AID MEASURES

**Ingestion:** If swallowed, DO NOT induce vomiting. Drink water or milk. Seek medical attention immediately.

**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.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** Greater than 300 degrees F.

**Recommended Extinguishing Media:** Water fog, carbon dioxide, foam, dry chemical.

**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus. Use water spray to cool exposed containers.

**Hazardous Products Formed by Fire or Thermal Decomposition:** Oxides of nitrogen, Hydrogen sulfide, Ammonia

**Unusual Fire/Explosion Hazards:** Irritating or toxic gases or fumes may be generated by thermal decomposition or combustion.

**Lower Explosive Limit:** Not determined.

**Upper Explosive Limit:** Not determined.

## **6. ACCIDENTAL RELEASE MEASURES**

**Spill Procedures:** Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

## **7. HANDLING AND STORAGE**

**Storage:** Store in a cool, dry area.  
**Handling:** Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Discard contaminated leather gloves and shoes. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Safety glasses.  
**Skin:** Neoprene or nitrile gloves recommended.  
**Ventilation:** Provide adequate ventilation  
**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear liquid  
**Odor:** IRRITATING  
**Boiling Point (°F):** Greater than 212 degrees F.  
**pH:** Alkaline  
**Solubility in Water:** Moderate  
**Specific Gravity:** Not Determined  
**VOC Content(Wt.%):** Not determined  
**Vapor Pressure:** Not Determined  
**Vapor Density (Air=1):** Heavier than air  
**Evaporation Rate:** <1 (butyl acetate = 1)

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:** STABLE  
**Hazardous Polymerization:** WILL NOT OCCUR  
**Incompatibilities:** Can react vigorously with strong oxidizing agents, mineral acids and strong mineral and organic bases, especially primary and secondary aliphatic amines. Reaction with some curing agents produces considerable heat.  
**Conditions to Avoid:** Heat  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Oxides of nitrogen, Hydrogen sulfide, Ammonia

## **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

**Product name:** 84101 PERMA POXY 5 MIN. GEN.  
PURPOSE EPOXY PART 2 25ML

**Item** PTX203002B

**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.

**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 2, FLAMMABILITY 1, REACTIVITY 0

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 0

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