

Permatex, Inc.  
10 Columbus Blvd.  
Hartford, CT 06106 USA  
Telephone: 1-87-Permatex  
(877) 376-2839  
Emergency: 800-255-3924  
International Emergency: 813-348-0585

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: 09100 PLASTIC TANK REPAIR KIT  
Item No: PTX209799B  
Product Type: Epoxy

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	>95	Not Listed	Not Listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** Causes moderate eye irritation. Causes moderate skin irritation. May cause skin sensitization.  
**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.  
**Signs and Symptoms of Exposure:** May cause redness to eyes and irritation to nasal passages. May cause skin irritation. Contact with product at elevated temperatures can result in thermal burns. Based on testing, this product is not likely to be an inhalation hazard and is considered to have a low order of acute toxicity.

**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:** DO NOT induce vomiting. In general, no treatment is necessary unless large quantities are ingested. However, get medical advice.  
**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.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** 480 degrees F. Method: PMCC  
**Recommended Extinguishing Media:** Water fog, carbon dioxide, foam, dry chemical.  
**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus.  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Carbon monoxide, aldehydes, acids and other organic substances may be formed during combustion or elevated temperatures (500 degrees F.)  
**Unusual Fire/Explosion Hazards:** None  
**Lower Explosive Limit:** Not determined.  
**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 in a cool, dry area. Store away from heat.  
**Handling:** Avoid prolonged skin contact. Keep away from eyes.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses or goggles.

**Skin:** Wear chemical resistant gloves if repeated skin contact occurs or causes irritation.  
**Ventilation:** General ventilation is usually adequate.  
**Respiratory Protection:** Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Black viscous liquid  
**Odor:** MILD  
**Boiling Point (°F):** Greater than 500 degrees F.  
**pH:** Does not apply  
**Solubility in Water:** Nil  
**Specific Gravity:** 1.17  
**VOC Content(Wt.%):** None  
**Vapor Pressure:** 0.03 @ 77 degrees  
**Vapor Density (Air=1):** Not Determined  
**Evaporation Rate:** Not Determined

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable at normal conditions  
**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:** High temperatures.  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Carbon monoxide, aldehydes, acids and other organic substances may be formed during combustion or elevated temperatures (500 degrees F.)

**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:**

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 2, FLAMMABILITY 1, REACTIVITY 0

**Estimated HMIS Classification:** HEALTH 2, 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

**Revision Date:** 02/10/2004

**Revision** 2

**Number:**

**Telephone Number:** 1-87-Permatex (877) 376-2839

Permatex, Inc.  
10 Columbus Blvd.  
Hartford, CT 06106 USA  
Telephone: 1-87-Permatex  
(877) 376-2839  
Emergency: 800-255-3924  
International Emergency: 813-348-0585

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: 09100 PLASTIC TANK REPAIR KIT  
Item No: PTX209800B  
Product Type: Hardener

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
MERCAPTAN POLYMER MIXTURE	>70	Not Listed	Not Listed
EPOXY CURING AGENT MIXTURE	<30	Not Listed	Not Listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** Slightly toxic by inhalation. Can cause irritation of respiratory tract and nausea. Overexposure may cause delayed lung injury and chemical pneumonia. Can cause severe skin and eye irritation or burns. May cause permanent visual impairment. May cause skin sensitization. Note: Due to this product's physical composition, the release of dust is not expected to occur under normal conditions of use.

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

**Signs and Symptoms of Exposure:** See Toxicity section

**Medical Conditions Recognized as Being Aggravated by Exposure:** None known

### 4. FIRST AID MEASURES

**Ingestion:** If swallowed, immediately drink a large quantity of milk or water. Seek 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.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** More than 200 degrees F. Method: PMCC

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

**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

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

**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 in a cool, dry area.

**Handling:** Avoid prolonged skin contact. Keep away from eyes.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Eyes:</b>	Safety glasses with side shields. An eye wash station should be readily available.
<b>Skin:</b>	Chemical resistant gloves. Clean clothing to cover skin.
<b>Ventilation:</b>	Sufficient mechanical ventilation to maintain exposures below the TLV, but general mechanical ventilation is not recommended as the sole means of controlling exposure. Make up air should always be supplied to balance air exhausted.
<b>Respiratory Protection:</b>	An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Colorless to pale yellow liquid
<b>Odor:</b>	MERCAPTAN ODOR
<b>Boiling Point (°F):</b>	Not determined.
<b>pH:</b>	Does not apply
<b>Solubility in Water:</b>	Nil
<b>Specific Gravity:</b>	1.15
<b>VOC Content(Wt.%):</b>	Not determined
<b>Vapor Pressure:</b>	Not Determined
<b>Vapor Density (Air=1):</b>	Not Determined
<b>Evaporation Rate:</b>	Not Determined

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable at normal conditions
<b>Hazardous Polymerization:</b>	WILL NOT OCCUR
<b>Incompatibilities:</b>	Strong oxidizers. Amines.
<b>Conditions to Avoid:</b>	High temperatures.
<b>Hazardous Products Formed by Fire or Thermal Decomposition:</b>	Oxides of nitrogen, Hydrogen sulfide, Oxides of sulfur, Oxides of carbon.

**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**

<b>DOT Shipping Name:</b>	Unrestricted
<b>Hazard Class:</b>	NONE
<b>UN/ID Number:</b>	None
<b>Marine Pollutant:</b>	None

**IATA**

<b>Proper Shipping Name:</b>	Unrestricted
<b>Class or Division:</b>	None
<b>UN/NA Number:</b>	None

**IMDG**

<b>Proper Shipping:</b>	Unrestricted
<b>Hazard Class:</b>	None
<b>UN Number:</b>	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 1

**Estimated HMIS Classification:** HEALTH 2, 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

**Revision Date:** 02/10/2004

**Revision** 2

**Number:**

**Telephone Number:** 1-87-Permatex (877) 376-2839