

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:** 84115 PERMA POXY 5 MINUTE PLASTIC WELD PART 1 25ML SYR  
**Item No:** PTX202009B  
**Product Type:** Epoxy resin

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
METHYL METHACRYLATE 80-62-6	40-75	100 ppm TWA; 410 mg/m <sup>3</sup> TWA	100 ppm TWA; 410 mg/m <sup>3</sup> TWA
METHACRYLIC ACID 79-41-4	1-10	20 ppm TWA; 70 mg/m <sup>3</sup> TWA	20 ppm TWA; 70 mg/m <sup>3</sup> TWA
_DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	1-10	Not Listed	Not Listed
P-TOLUENESULFONYL CHLORIDE 98-59-9	1-10	Not Listed	Not Listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye and skin irritation. May cause skin sensitization. Exposure to vapors or mist may result in irritation of the respiratory tract.  
**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.  
**Signs and Symptoms of Exposure:** May cause skin irritation. Repeated skin contact may cause allergic skin reactions. Inhalation overexposure may cause irritation, coughing and flu-like symptoms. Contact with eyes may cause tearing and redness.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
METHYL METHACRYLATE 80-62-6	40-75	male rat-no evidence; female rat-no evidence; male mice-no evidence; female mice-no evidence	A4 - Not Classifiable as a Human Carcinogen	Group 3: Vol 60, pg 445, 1994

**Medical Conditions Recognized as Being Aggravated by Exposure:** May aggravate preexisting dermatitis. Persons with respiratory problems such as emphysema and asthma should avoid inhalation.

### 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):** 51 degrees F. Method: Tag Closed Cup  
**Recommended Extinguishing Media:** 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 carbon. Oxides of nitrogen, Hydrogen cyanide Methylene bisphenyl isocyanate, cyclopentanone, tetrahydrofuran.  
**Unusual Fire/Explosion Hazards:** Closed containers may rupture or explode when exposed to extreme heat. Keep containers cool. Irritating or toxic gases or fumes may be generated by thermal decomposition or combustion.

**Lower Explosive Limit:** 2.1  
**Upper Explosive Limit:** 12.5

## **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. Store in a cool, dry area.  
**Handling:** Avoid contact with vapors from heated material. Avoid contact with skin and eyes.

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

**Eyes:** Safety glasses.  
**Skin:** rubber or plastic gloves Wash contaminated clothing before re-use  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits 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:** White liquid  
**Odor:** pungent  
**Boiling Point (°F):** 214 degrees F  
**pH:** Does not apply  
**Solubility in Water:** Slight  
**Specific Gravity:** 0.94-1.0  
**VOC Content(Wt.%):** 1.98% by weight (adhesive and activator mixed)  
**Vapor Pressure:** 29 mm Hg @ 20 degrees C.  
**Vapor Density (Air=1):** Heavier than air  
**Evaporation Rate:** Not Determined

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:** STABLE  
**Hazardous Polymerization:** MAY OCCUR  
**Incompatibilities:** Avoid contact with bases and strong oxidizers. Amines. Strong alkalies, strong mineral acids, reducing agents. Ultraviolet radiation.  
**Conditions to Avoid:** Heat  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Oxides of carbon. Oxides of nitrogen, Hydrogen cyanide Methylene bisphenyl isocyanate, cyclopentanone, tetrahydrofuran.

## **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:** D001 as per 40CFR 261.21

## **14. TRANSPORTATION INFORMATION**

**DOT (49CFR 172)**

### **Domestic Ground Transport**

**DOT Shipping Name:** Consumer Commodity (not more than one liter)  
**Hazard Class:** ORM-D  
**UN/ID Number:** None  
**Marine Pollutant:** None

**IATA**

**Product name:** 84115 PERMA POXY 5 MINUTE  
PLASTIC WELD PART 1 25ML SYR

**Item** PTX202009B

**Proper Shipping Name:** Consumer Commodity  
**Class or Division:** Class 9  
**UN/NA Number:** ID 8000

**IMDG**

**Proper Shipping:** Adhesives, Limited Quantity  
**Hazard Class:** Class 3.2  
**UN Number:** UN 1133

**15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

**SARA 313 Information**

METHYL METHACRYLATE, DIMETHYLBENZYL HYDROXIDE

**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 3, REACTIVITY 2

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 3, 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:** 03/02/2004

**Revision Number:** 1

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 International Emergency: 813-348-0585

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** 84115 PERMA POXY 5 MINUTE PLASTIC WELD PART 2 28ML SYR  
**Item No:** PTX203012B  
**Product Type:** Curing agent

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
METHYL METHACRYLATE 80-62-6	40-75	100 ppm TWA; 410 mg/m <sup>3</sup> TWA	100 ppm TWA; 410 mg/m <sup>3</sup> TWA
AMINE CONDENSATE MIXTURE	1-10	Not Listed	Not Listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye and skin irritation. May cause skin sensitization. Exposure to vapors or mist may result in irritation of the respiratory tract.  
**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation.  
**Signs and Symptoms of Exposure:** May cause skin irritation. Repeated skin contact may cause allergic skin reactions. Inhalation overexposure may cause irritation, coughing and flu-like symptoms. Contact with eyes may cause tearing and redness.

Ingredients	Percent	NTP:	ACGIH Carcinogens	IARC:
METHYL METHACRYLATE 80-62-6	40-75	male rat-no evidence; female rat-no evidence; male mice-no evidence; female mice-no evidence	A4 - Not Classifiable as a Human Carcinogen	Group 3: Vol 60, pg 445, 1994

**Medical Conditions Recognized as Being Aggravated by Exposure:** May aggravate preexisting dermatitis. Persons with respiratory problems such as emphysema and asthma should avoid inhalation.

### 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):** 51 degrees F. Method: Tag Closed Cup  
**Recommended Extinguishing Media:** 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 carbon. Oxides of nitrogen, Hydrogen cyanide Methylene bisphenyl isocyanate, cyclopentanone, tetrahydrofuran.  
**Unusual Fire/Explosion Hazards:** Closed containers may rupture or explode when exposed to extreme heat. Keep containers cool. Irritating or toxic gases or fumes may be generated by thermal decomposition or combustion.

**Lower Explosive Limit:** 2.1  
**Upper Explosive Limit:** 12.5

## **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. Store in a cool, dry area.  
**Handling:** Avoid contact with vapors from heated material. Avoid contact with skin and eyes.

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

**Eyes:** Safety glasses.  
**Skin:** rubber or plastic gloves Wash contaminated clothing before re-use  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits 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:** White liquid  
**Odor:** pungent  
**Boiling Point (°F):** 214 degrees F  
**pH:** Does not apply  
**Solubility in Water:** Slight  
**Specific Gravity:** 0.94-1.0  
**VOC Content(Wt.%):** 1.98% by weight (adhesive and activator mixed)  
**Vapor Pressure:** 29 mm Hg @ 20 degrees C.  
**Vapor Density (Air=1):** Heavier than air  
**Evaporation Rate:** <1 (butyl acetate = 1)

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:** STABLE  
**Hazardous Polymerization:** MAY OCCUR  
**Incompatibilities:** Avoid contact with bases and strong oxidizers. Amines. Strong alkalies, strong mineral acids, reducing agents. Ultraviolet radiation.  
**Conditions to Avoid:** Heat  
**Hazardous Products Formed by Fire or Thermal Decomposition:** Oxides of carbon. Oxides of nitrogen, Hydrogen cyanide Methylene bisphenyl isocyanate, cyclopentanone, tetrahydrofuran.

## **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:** D001 as per 40CFR 261.21

## **14. TRANSPORTATION INFORMATION**

DOT (49CFR 172)

### **Domestic Ground Transport**

**DOT Shipping Name:** Consumer Commodity (not more than one liter)  
**Hazard Class:** ORM-D  
**UN/ID Number:** None  
**Marine Pollutant:** None

### **IATA**

**Proper Shipping Name:** Consumer Commodity  
**Class or Division:** Class 9  
**UN/NA Number:** ID 8000

**Product name:** 84115 PERMA POXY 5 MINUTE  
PLASTIC WELD PART 2 28ML SYR

**Item** PTX203012B

**IMDG**

<b>Proper Shipping:</b>	Adhesives, Limited Quantity
<b>Hazard Class:</b>	Class 3.2
<b>UN Number:</b>	UN 1133

**15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

**SARA 313 Information**  
METHYL METHACRYLATE

**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 3, REACTIVITY 2

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0

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