

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 ³ TWA	100 ppm TWA; 410 mg/m ³ TWA
METHACRYLIC ACID 79-41-4	1-10	20 ppm TWA; 70 mg/m ³ TWA	20 ppm TWA; 70 mg/m ³ 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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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 ³ TWA	100 ppm TWA; 410 mg/m ³ 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

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

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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