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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 adhesive

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
METHYL METHACRYLATE 80-62-6	30-60	50 ppm	100 ppm; 410 mg/m ³
CHLOROSULFONATED POLYETHYLENE 68037-39-8	15-30	Not listed	Not listed
METHACRYLIC ACID 79-41-4	<10	20 ppm	20 ppm; 70 mg/m ³
CARBON TETRACHLORIDE 56-23-5	0.1-1.0	5 ppm	10 ppm

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. Causes burning sensation of the mouth, throat, and stomach. Prolonged exposure may cause liver and kidney effects and may affect the central nervous system.

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. Repeated skin contact may cause allergic skin reactions. Skin redness. Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
METHYL METHACRYLATE 80-62-6	30-60	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: Monograph 60, 1994
CARBON TETRACHLORIDE 56-23-5	0.1-1.0	Reasonably Anticipated to be a Carcinogen	A2 - Suspected Human Carcinogen	Group 2B, Monograph 71, 1999; Supplement 7, 1987; Monograph 20, 1979

Aggravated Medical Condition: Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected.

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 vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Wash contaminated clothing before re-use.

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°): 50°F (10°C) TCC
Recommended Extinguishing Media: Carbon dioxide, Dry chemical, Foam

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

Item No. PTX202009B

5. FIRE FIGHTING MEASURES

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

Hazardous Products of Combustion: Oxides of carbon

Unusual Fire/Explosion Hazards: Closed containers may rupture or explode when exposed to extreme heat. Keep containers cool.

Lower Explosive Limit: 2.1

Upper Explosive Limit: 12.5

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. Prevent from entering waterways or sewers.

7. HANDLING AND STORAGE

Storage: Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C).

Handling: Do not use near heat, sparks or open flame. Do not inhale vapors. Avoid contact with skin and eyes. Wash hands before eating and smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Chemical goggles; also wear a face shield if splashing hazard exists.

Skin: Neoprene or nitrile gloves recommended. Wash contaminated clothing before re-use.

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 organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White paste

Odor: Resin odor.

Boiling Point: 213°F (100.5°C)

pH: 3.0-3.5 (5% solution or slurry in water)

Solubility in Water: Not determined

Specific Gravity: 1.0

VOC(Wt.%): <50 g/l (mixed)

Vapor Pressure: 28 mm Hg @ 68°F

Vapor Density (Air=1): >1

Evaporation Rate: 3 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Hazardous Polymerization: May occur

Incompatibilities: Strong oxidizers, free radical initiators, inert gases, Strong bases, Acids, Reducing agents, Azo-compounds

Conditions to Avoid: Heat. Inert gas blanketing. Freezing.

Hazardous Products of Combustion: 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: D001 as per 40CFR 261.21, D019

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

U.S. Department of Transportation - DOT - 49 CFR (Ground)

DOT Shipping Name: Consumer Commodity (not more than one liter)

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

Item No. PTX202009B

14. TRANSPORTATION INFORMATION

Hazard Class: ORM-D
UN/ID Number: None

IATA (Air)

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)
Class or Division: Class 9
UN/ID Number: ID 8000

IMDG (Vessel)

Proper Shipping Name: Adhesives, Limited Quantity
Hazard Class: Class 3, PG II
UN Number: UN 1133

Marine Pollutant: None

15. REGULATORY INFORMATION

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

METHYL METHACRYLATE, CARBON TETRACHLORIDE

California Proposition 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: 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 Association)

HMIS is a registered trademark of the National Paint and Coatings Association

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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

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
METHYL METHACRYLATE 80-62-6	>70	50 ppm	100 ppm; 410 mg/m ³
3,5-DIETHYL-1,2-DIHYDRO-1-PHENYL-2-PROPYLPYRIDINE 34562-31-7	<5	Not listed	Not listed

3. HAZARDS IDENTIFICATION

Toxicity: May cause moderate eye irritation. May cause skin sensitization. Exposure to vapors or mist may result in irritation of the respiratory tract. Causes burning sensation of the mouth, throat, and stomach. Long term exposure to high concentrations of vapor may cause lung, liver or kidney damage.

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. Repeated skin contact may cause allergic skin reactions. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
METHYL METHACRYLATE 80-62-6	>70	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: Monograph 60, 1994

Aggravated Medical Condition: Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

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 vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

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°): 50°F (10°C) TCC

Recommended Extinguishing Media: Carbon dioxide, Dry chemical, Foam

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

Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen

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

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

Item No. PTX203012B

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. Prevent from entering waterways or sewers.

7. HANDLING AND STORAGE

Storage: Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C).
Handling: Do not use near heat, sparks or open flame. Use in a well ventilated area to prevent irritation by vapors. Avoid contact with skin and eyes. Wash hands before eating and smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Wear safety glasses or goggles to protect against exposure.
Skin: Neoprene or nitrile gloves recommended. Wash contaminated clothing before re-use.
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 organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White paste
Odor: Methacrylate
Boiling Point: 213°F (100.5°C)
pH: 4.5-5.0 (5% solution or slurry in water)
Solubility in Water: Not determined
Specific Gravity: 0.96
VOC(Wt.%): <50 g/l (mixed)
Vapor Pressure: 28 mm Hg @ 68°F
Vapor Density (Air=1): >1
Evaporation Rate: >1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Hazardous Polymerization: May occur
Incompatibilities: Strong oxidizers, free radical initiators, inert gases, Strong bases, Acids, Reducing agents, Azo-compounds
Conditions to Avoid: Heat. Inert gas blanketing. Freezing.
Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen

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)

U.S. Department of Transportation - DOT - 49 CFR (Ground)

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

IATA (Air)

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)
Class or Division: Class 9
UN/ID Number: ID 8000

IMDG (Vessel)

Proper Shipping Name: Adhesives, Limited Quantity

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

Item No. PTX203012B

Hazard Class: Class 3, PG II
UN Number: UN 1133

Marine Pollutant: None

15. REGULATORY INFORMATION

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

METHYL METHACRYLATE

California Proposition 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: 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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