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**SAFETY DATA SHEET**  
according to REACH regulation 1907/2006

**1. IDENTIFICATION OF THE PREPARATION**

Identification of the preparation: 84115 PERMA POXY 5 MINUTE PLASTIC WELD PART 1 25ML SYR  
Item No: PTX202009B  
Recommended use: Epoxy resin

**2. HAZARDS IDENTIFICATION**

Classification: F - Highly flammable, C - Corrosive  
Most Important Hazards: Highly flammable. May cause burns. May cause allergic skin reaction. May cause irritation of respiratory tract. Irritating to mouth, throat and stomach.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	Weight%	EC Number	EU Classification
METHYL METHACRYLATE 80-62-6	30-60	201-297-1	F;R11 R43 Xi;R37/38
CHLOROSULFONATED POLYETHYLENE 68037-39-8	30-60	Not determined	None
METHACRYLIC ACID 79-41-4	5-15	201-204-4	C;R35 Xn;R21/22

**4. FIRST-AID MEASURES**

**General advice:** If you feel unwell, seek medical advice (show the label where possible).  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. 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 the case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
**Ingestion:** If swallowed, seek medical advice immediately and show this container or label.  
**Protection of first-aiders:** Use personal protective equipment. Avoid contact with skin, eyes and clothing.  
**Notes to Physician:** Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>), Dry chemical, foam  
**Extinguishing media which must not be used for safety reasons:** None reasonably foreseeable.

## 5. FIRE-FIGHTING MEASURES

**Special instructions for protection and hygiene:** Flammable. Keep away from heat and sources of ignition.  
**Special protective equipment for firefighters:** Use personal protective equipment. Avoid contact with eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** For additional information on processing see sections 7, 8 and 11 of this safety data sheet.  
**Environmental Precautions:** Do not flush into surface water or sanitary sewer system.  
**Cleanup:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

**Handling precautions:** Avoid breathing vapors or mists. Avoid contact with the skin and the eyes. Do not ingest. Wash hands before breaks and immediately after handling the product.  
**Storage:** Store in cool place. Keep away from heat and sources of ignition.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH; TLV-TWA	German MAK; TWA	UK WEL; TWA	Finnish OEL; HTP
METHYL METHACRYLATE 80-62-6	50 ppm TWA ACGIH	50 ppm; 210 mg/m <sup>3</sup>	50 ppm; 208 mg/m <sup>3</sup>	Not listed
CHLOROSULFONATED POLYETHYLENE 68037-39-8	Not listed	Not listed	Not listed	Not listed
METHACRYLIC ACID 79-41-4	20 ppm ACGIH	Not listed	Not listed	Not listed

**Ventilation:** Provide adequate ventilation .  
**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.  
**Skin:** Neoprene or nitrile gloves recommended. Wash contaminated clothing before re-use.  
**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists  
**Hygiene Measures:** When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White paste  
**Odor:** Resin odor.  
**pH:** 3.0-3.5 (5% solution)  
**Boiling point/range:** 100°C  
**Melting point:** Not determined  
**Flash point:** 10°C  
**Risk of explosion:** Flammable. Keep away from heat and sources of ignition.  
**Vapor pressure:** 28 mmHg @ 20°C  
**Density:** 1.03  
**Solubility in water:** Not determined.  
**Partition coefficient (n-octanol/water):** Not determined  
**Vapor density:** >1 (Air = 1)  
**Evaporation Rate:** >1.0 (butyl acetate = 1)  
**VOC Content(%):** <50 g/l

## **10. STABILITY/REACTIVITY**

**Stability:** Stable at normal conditions.  
**Conditions to Avoid:** Heat Sunlight/Radiation Inert gas blanketing  
**Materials to avoid:** Acids, Reducing agents, Ultraviolet radiation., Strong oxidizing agents,  
Strong bases  
**Hazardous decomposition products:** Carbon oxides

## **11. TOXICOLOGICAL INFORMATION**

<b>Component</b>	<b>Weight%</b>	<b>LD50/oral/rat</b>	<b>LC50/inhalation/rat</b>
METHYL METHACRYLATE 80-62-6	30-60	7872 mg/kg	78 mg/L/4H; 4632 ppm/4H; 400 ppm/1H
METHACRYLIC ACID 79-41-4	5-15	1060 mg/kg	

### **Local Effects**

**Skin Irritation:** Causes burns May cause allergic skin reaction.  
**Eye Irritation:** May cause severe eye irritation with pain, swelling, redness and excessive blinking and tear production.  
**Inhalation:** Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough  
**Ingestion:** Irritation of the mouth, throat, and stomach  
**Sensitization:** May cause skin sensitization..  
**Chronic toxicity:** None reasonably foreseeable

### **Specific Effects**

**Carcinogenic effects:** None reasonably foreseeable.  
**Mutagenic effects:** None reasonably foreseeable.  
**Reproductive toxicity:** None reasonably foreseeable  
**Target Organ Effects:** Eyes, Skin, Respiratory System, Gastrointestinal Tract

## **12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No information available.

## **13. DISPOSAL CONSIDERATIONS**

**Waste from Residues:** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## **14. TRANSPORT INFORMATION**

### **IATA**

**Proper Shipping Name:** Consumer Commodity (Not more than 1 liter)  
**Hazard Class:** Class 9  
**UN/ID No:** ID 8000

### **IMDG**

**Proper shipping name:** Adhesives, containing flammable liquid, Limited Quantity  
**Hazard Class:** Class 3, PG II  
**UN/ID No:** UN 1133  
**Marine Pollutant:** None

### **ADR/RID**

**Proper Shipping Name:** Adhesives, containing flammable liquid  
**Hazard Class:** Class 3, PG II  
**UN/ID No:** UN 1133  
**ADR/RID:** Limited Quantity; LQ06

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

**Item No:** PTX202009B

## **15. REGULATORY INFORMATION**

This product is classified in accordance with Annex VI to Directive 67/548/EEC

**Contains epoxy constituents: See information supplied by the manufacturer.**

### **Indication of Danger:**

F - Highly flammable, C - Corrosive

### **Names of the ingredients given on the warning label:**

Methacrylic acid

### **R -phrase(s):**

R11 - Highly flammable

R34 - Causes burns

R37/38 - Irritating to respiratory system and skin

R43 - May cause sensitization by skin contact

### **S -phrase(s):**

S 2 - Keep out of the reach of children

S16 - Keep away from sources of ignition - No smoking

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 - After contact with skin, wash immediately with plenty of soap and water

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

## **16. OTHER INFORMATION**

### **Risk Phrases mentioned in Section 2:**

R11 - Highly flammable.

R35 - Causes severe burns.

R43 - May cause sensitization by skin contact.

R21/22 - Harmful in contact with skin and if swallowed.

R37/38 - Irritating to respiratory system and skin.

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**SAFETY DATA SHEET**  
according to REACH regulation 1907/2006

**1. IDENTIFICATION OF THE PREPARATION**

Identification of the preparation: 84115 PERMA POXY 5 MINUTE PLASTIC WELD PART 2 28ML SYR  
Item No: PTX203012B  
Recommended use: Curing chemical

**2. HAZARDS IDENTIFICATION**

Classification: F - Highly flammable, Xi - Irritant  
Most Important Hazards: Flammable. Prolonged skin contact may cause skin irritation. May cause allergic skin reaction. May cause irritation of respiratory tract.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	Weight%	EC Number	EU Classification
METHYL METHACRYLATE 80-62-6	60-100	201-297-1	F;R11 R43 Xi;R37/38
3,5-DIETHYL-1,2-DIHYDRO- 1-PHENYL-2- PROPYLPYRIDINE 34562-31-7	1-10	252-091-3	None

**4. FIRST-AID MEASURES**

**General advice:** If you feel unwell, seek medical advice (show the label where possible).  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. 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 the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**Ingestion:** If swallowed, seek medical advice immediately and show this container or label.  
**Protection of first-aiders:** Use personal protective equipment. Avoid contact with skin, eyes and clothing.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>), Dry chemical, foam  
**Extinguishing media which must not be used for safety reasons:** None reasonably foreseeable.  
**Special instructions for protection and hygiene:** Flammable. Keep away from heat and sources of ignition.  
**Special protective equipment for firefighters:** Use personal protective equipment. Avoid contact with eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** For additional information on processing see sections 7, 8 and 11 of this safety data sheet.

**Environmental Precautions:** Do not flush into surface water or sanitary sewer system.

**Cleanup:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

## 7. HANDLING AND STORAGE

**Handling precautions:** Avoid breathing vapors or mists. Avoid contact with the skin and the eyes. Wash hands before breaks and immediately after handling the product.

**Storage:** Store in cool place. Keep away from heat and sources of ignition.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH; TLV-TWA	German MAK; TWA	UK WEL; TWA	Finnish OEL; HTP
METHYL METHACRYLATE 80-62-6	50 ppm TWA ACGIH	50 ppm; 210 mg/m <sup>3</sup>	50 ppm; 208 mg/m <sup>3</sup>	Not listed
3,5-DIETHYL-1,2-DIHYDRO- 1-PHENYL-2- PROPYLPYRIDINE 34562-31-7	Not listed	Not listed	Not listed	Not listed

**Ventilation:** Provide adequate ventilation .

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

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

**Eyes:** Safety glasses

**Hygiene Measures:** When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White paste

**Odor:** METHACRYLATE

**pH:** 4.5-5.0 (5% solution)

**Boiling point/range:** 100°C

**Melting point:** Not determined

**Flash point:** 7°C

**Risk of explosion:** Flammable. Keep away from heat and sources of ignition. Vapors are heavier than air and may spread along floors.

**Vapor pressure:** 28 mmHg @ 20°C

**Density:** 0.96

**Solubility in water:** Not determined.

**Partition coefficient (n-octanol/water):** Not determined

**Vapor density:** >1 (Air = 1)

**Evaporation Rate:** >1.0 (butyl acetate = 1)

**VOC Content(%):** <50 g/l

## 10. STABILITY/REACTIVITY

**Stability:** Stable at normal conditions.

**Conditions to Avoid:** Heat, Inert gas blanketing, Sunlight/Radiation

**Materials to avoid:** Strong oxidizers and bases., Reducing agents, Acids

**Hazardous decomposition products:** Carbon oxides, nitrogen oxides (NOx)

## 11. TOXICOLOGICAL INFORMATION

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat
METHYL METHACRYLATE 80-62-6	60-100	7872 mg/kg	78 mg/L/4H; 4632 ppm/4H; 400 ppm/1H

### Local Effects

**Skin Irritation:** May cause skin irritation and/or dermatitis. May cause allergic skin reaction.  
**Eye Irritation:** Irritating, but will not permanently injure eye tissue..  
**Inhalation:** May cause irritation of respiratory tract.  
**Ingestion:** Irritating to mouth, throat and stomach.  
**Sensitization:** May cause sensitization of susceptible persons by skin contact.  
**Chronic toxicity:** None reasonably foreseeable

### Specific Effects

**Carcinogenic effects:** None reasonably foreseeable.  
**Mutagenic effects:** None reasonably foreseeable.  
**Reproductive toxicity:** None reasonably foreseeable  
**Target Organ Effects:** Eyes, Skin, Respiratory System

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste from Residues:** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## 14. TRANSPORT INFORMATION

### IATA

**Proper Shipping Name:** Consumer Commodity (Not more than 1 liter)  
**Hazard Class:** Class 9  
**UN/ID No:** ID 8000

### IMDG

**Proper shipping name:** Adhesives, containing flammable liquid, Limited Quantity  
**Hazard Class:** Class 3, PG II  
**UN/ID No:** UN 1133  
**Marine Pollutant:** None

### ADR/RID

**Proper Shipping Name:** Adhesives, containing flammable liquid  
**Hazard Class:** Class 3, PG II  
**UN/ID No:** UN 1133  
**ADR/RID:** Limited Quantity; LQ06

## 15. REGULATORY INFORMATION

This product is classified in accordance with Annex VI to Directive 67/548/EEC

### **Indication of Danger:**

F - Highly flammable, Xi - Irritant

### **R -phrase(s):**

R11 - Highly flammable  
R37/38 - Irritating to respiratory system and skin  
R43 - May cause sensitization by skin contact

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

**Item No:** PTX203012B

**S -phrase(s):**

S 2 - Keep out of the reach of children  
S16 - Keep away from sources of ignition - No smoking  
S24 - Avoid contact with skin  
S36/37 - Wear suitable protective clothing and gloves  
S51 - Use only in well ventilated areas

**16. OTHER INFORMATION**

**Risk Phrases mentioned in Section 2:**

R11 - Highly flammable.  
R43 - May cause sensitization by skin contact.  
R37/38 - Irritating to respiratory system and skin.

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