

ITW Permatex Canada  
35 Brownridge Road, Unit 1  
Halton Hills, ON Canada L7G 0C6  
Telephone: (800) 924-6994  
Urgence: 800-255-3924 (ChemTel)

## Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

### I. PRODUCT IDENTIFICATION

**Product Name:** 84125 PC PERMA POXY 5 MINUTE PLASTIC WELD (ACTIVATOR)  
**Item No:** PTX203012C  
**Product Type:** Activator

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
METHYL METHACRYLATE 80-62-6	60-100	7872 mg/kg	4632 ppm/4H; 400 ppm/1H	50 ppm
P(BD/MMA/STY) TSRN8009415008P	5-10	not available	not available	
3,5-DIETHYL-1,2-DIHYDRO-1- PHENYL-2-PROPYLPYRIDINE 34562-31-7	1-5	not available	not available	

### III. PHYSICAL DATA

**Physical State/Appearance:** White paste  
**Odour & Odour Threshold:** Methacrylate  
**Specific Gravity:** 0.96  
**Evaporation Rate:** >1.0 (butyl acetate = 1)  
**Vapour Pressure:** 28 mm Hg @ 20°C  
**Vapour Density:** Heavier than air  
**Freezing Point:** Not determined  
**pH:** 4.5-5.0 (5% solution)  
**Octanol/Water Coefficient:** Not determined  
**Boiling Point:** 100°C (212°F)

### IV. FIRE AND EXPLOSIVE DATA

**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, Foam  
**Hazardous Combustion Products:** Oxides of carbon, Oxides of nitrogen  
**Sensitivity to Static Discharge:** Sensitivity to static discharge is expected; material has a flashpoint less than or equal to 10°C.  
**Conditions of Flammability:** FLAMMABLE: Keep from heat and open flame. Containers may explode if heated. During a fire, irritating and toxic gases may be generated during combustion or decomposition.  
**Flash Point/Range:** 10°C Method: TCC.  
**Autoignition Temperature:** Not determined  
**Upper Explosive Limit:** 12.5%  
**Lower Explosive Limit:** 2.1%

### V. REACTIVITY DATA

**Conditions Causing Chemical Instability:** Stable under normal conditions  
**Materials to avoid:** Strong oxidizers, Reducing agents, Acids, Alkalies, Strong bases  
**Conditions of Reactivity:** High temperatures  
**Hazardous Decomposition Products:** Carbon oxides, Oxides of nitrogen

### VI. HAZARDS IDENTIFICATION

**Primary Routes of Exposure:** Eye and skin contact, ingestion, inhalation  
**Existing Conditions Aggravated by Exposure:** Preexisting eye, skin and respiratory disorders  
**Toxicity Information:** (See Effects of Acute Exposure to Product)  
**Effects of Acute Exposure:** May cause moderate eye irritation. May cause pain, redness or swelling of the eyes and excessive blinking and tear production. Overexposure by inhalation may cause nasal and respiratory irritation, central nervous system affects, dizziness, drowsiness, weakness, fatigue, nausea, headache and possible unconsciousness. Ingestion may cause abdominal pain, vomiting. May cause skin sensitization.  
**Effects of Chronic Exposure:** May cause an allergic skin reaction.

## **VI. HAZARDS IDENTIFICATION**

**Irritancy of Product:** See (Effects of Acute Exposure to Product)  
**Sensitization to Product:** (See Effects of Acute Exposure to Product)  
**Carcinogenicity:** (See Effects of Chronic Exposure to Product)  
**Reproductive Toxicity:** (See Effects of Chronic Exposure to Product)  
**Teratogenicity:** (See Effects of Chronic Exposure to Product)  
**Mutagenicity:** (See Effects of Chronic Exposure to Product)  
**Toxicologically Synergistic Products:** None known  
**WHMIS Hazard Class:** B2 FLAMMABLE LIQUIDS, D2B TOXIC MATERIALS

## **VII. PREVENTATIVE MEASURES**

### **Personal Protection**

**Eyes:** Safety glasses.  
**Skin:** Neoprene or nitrile gloves recommended. Wash contaminated clothing before re-use.  
**Ventilation:** Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.  
**Engineering Controls:** In case of insufficient ventilation, wear an organic vapor respirator  
**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.  
**Protection of Man and Environment:** Follow Canadian and local regulations for disposal.  
**Handling Procedures and Equipment:** Flammable. Store away from heat, sparks and open flame. Store at temperatures below 50°C. Use with adequate ventilation. Use good personal hygiene. Avoid smoking, eating or drinking during use. Wash with soap and water after handling.  
**Special Handling Information:** Store in a cool, dry, well-ventilated area. Avoid contact with skin and eyes.

## **VIII. FIRST AID MEASURES**

**Ingestion:** If swallowed, do not induce vomiting - seek medical advice. Never give anything by mouth to an unconscious person.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.  
**Skin Contact:** Immediately remove contaminated clothing and excess contaminant. Flush with water for at least 15 minutes. Wash thoroughly with soap and water. Consult a physician if irritation develops.  
**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

## **IX. SHIPPING INFORMATION**

### **Canadian Transportation of Dangerous Goods**

**Proper Shipping Name:** Adhesives, Limited Quantity  
**Hazard Class:** Class 3; PGII  
**UN/ID No:** UN 1133

### **IATA (Air)**

**Proper Shipping Name:** Consumer Commodity  
**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

## **X. PREPARATION INFORMATION**

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0  
(HMIS is a registered trademark of the National Paint and Coatings Association)

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 3, REACTIVITY 2  
(NFPA is a registered trademark of the National Fire Protection Association)

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### I. PRODUCT IDENTIFICATION

**Product Name:** 84125 PC PERMA POXY 5 MINUTE PLASTIC WELD (ADHESIVE)  
**Item No:** PTX202009C  
**Product Type:** Adhesive

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
METHYL METHACRYLATE 80-62-6	60-100	7872 mg/kg	4632 ppm/4H; 400 ppm/1H	50 ppm
CHLOROSULFONATED POLYETHYLENE 68037-39-8	10-30	not available	not available	
METHACRYLIC ACID 79-41-4	5-10	1060 mg/kg	7.1 mg/L/4H	20 ppm

### III. PHYSICAL DATA

**Physical State/Appearance:** White paste  
**Odour & Odour Threshold:** Resin odour  
**Specific Gravity:** 1.0  
**Evaporation Rate:** >1.0 (butyl acetate = 1)  
**Vapour Pressure:** 28 mm Hg @ 20°C  
**Vapour Density:** Heavier than air  
**Freezing Point:** Not determined  
**pH:** 3.0-3.5 (5% solution)  
**Octanol/Water Coefficient:** Not determined  
**Boiling Point:** 100°C (212°F)

### IV. FIRE AND EXPLOSIVE DATA

**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, Foam  
**Hazardous Combustion Products:** Oxides of carbon  
**Sensitivity to Static Discharge:** Sensitivity to static discharge is expected; material has a flashpoint less than or equal to 10°C.  
**Conditions of Flammability:** FLAMMABLE: Keep from heat and open flame. Containers may explode if heated.  
**Flash Point/Range:** 10°C Method: TCC.  
**Autoignition Temperature:** Not determined  
**Upper Explosive Limit:** 12.5%  
**Lower Explosive Limit:** 2.1%

### V. REACTIVITY DATA

**Conditions Causing Chemical Instability:** Stable under normal conditions  
**Materials to avoid:** Strong oxidizers, Acids, Alkalies, Reducing agents  
**Conditions of Reactivity:** High temperatures  
**Hazardous Decomposition Products:** Carbon oxides

### VI. HAZARDS IDENTIFICATION

**Primary Routes of Exposure:** Eye and skin contact, ingestion, inhalation  
**Existing Conditions Aggravated by Exposure:** Preexisting eye, skin and respiratory disorders

**Toxicity Information:** (See Effects of Acute Exposure to Product)

**Effects of Acute Exposure:** Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Overexposure by inhalation may cause nasal and respiratory irritation, central nervous system affects, dizziness, drowsiness, weakness, fatigue, nausea, headache and possible unconsciousness. Ingestion may cause abdominal pain, vomiting. May cause skin sensitization.

**Effects of Chronic Exposure:** May cause an allergic skin reaction.

## **VI. HAZARDS IDENTIFICATION**

**Irritancy of Product:** See (Effects of Acute Exposure to Product)  
**Sensitization to Product:** (See Effects of Acute Exposure to Product)  
**Carcinogenicity:** (See Effects of Chronic Exposure to Product)  
**Reproductive Toxicity:** (See Effects of Chronic Exposure to Product)  
**Teratogenicity:** (See Effects of Chronic Exposure to Product)  
**Mutagenicity:** (See Effects of Chronic Exposure to Product)  
**Toxicologically Synergistic Products:** None known  
**WHMIS Hazard Class:** B2 FLAMMABLE LIQUIDS, D2B TOXIC MATERIALS

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**Skin:** Neoprene or nitrile gloves recommended. Wash contaminated clothing before re-use.  
**Ventilation:** Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.  
**Engineering Controls:** In case of insufficient ventilation, wear an organic vapor respirator  
**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.  
**Protection of Man and Environment:** Follow Canadian and local regulations for disposal.  
**Handling Procedures and Equipment:** Flammable. Store away from heat, sparks and open flame. Store at temperatures below 50°C. Use with adequate ventilation. Use good personal hygiene. Avoid smoking, eating or drinking during use. Wash with soap and water after handling.  
**Special Handling Information:** Store in a cool, dry, well-ventilated area. Keep away from heat, sparks and open flame. Avoid contact with skin and eyes. Eye wash station should be close by in case of contact with eyes.

## **VIII. FIRST AID MEASURES**

**Ingestion:** If swallowed, do not induce vomiting - seek medical advice. 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:** Flush eyes with clean water for at least 20 minutes while gently holding eyelids open, lifting upper and lower lids.

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