

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: 84162 PERMA POXY 1 MINUTE CLEAR EPOXY (HARDENER)
Item No: 1007B
Product Type: Epoxy hardener

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
POLYAMINE-POLYMERCAPTAN BLEND Mixture	>80	not available	not available	
2,2-OXYBIS (N,N-DIMETHYLETHANAMINE) 3033-62-3	<5	1070 mg/kg	not available	0.05 ppm
SUBSTITUTED AMIDINE 6674-22-2	<5	not available	not available	

III. PHYSICAL DATA

Physical State/Appearance: Amber liquid
Odour & Odour Threshold: Mercaptan odour
Specific Gravity: 1.12
Evaporation Rate: <1 (Butyl acetate = 1)
Vapour Pressure: Not determined
Vapour Density: Heavier than air
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: Not determined

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Dry chemical, Carbon dioxide, Foam
Hazardous Combustion Products: Oxides of carbon, Oxides of nitrogen, Oxides of sulfur, Hydrogen sulfide
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected
Conditions of Flammability: None anticipated.
Flash Point/Range: >93.3°C (200°F) .
Autoignition Temperature: Not determined
Upper Explosive Limit: Not determined
Lower Explosive Limit: Not determined

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable under normal conditions
Materials to avoid: Strong oxidizers, Acids, Amines
Conditions of Reactivity: High temperatures.
Hazardous Decomposition Products: Carbon oxides, Oxides of nitrogen, Oxides of sulfur, Hydrogen sulfide

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: Can cause severe skin and eye irritation or burns. Ingestion may cause damage to mucous membranes. Harmful if swallowed.
Effects of Chronic Exposure: Corneal damage. May cause an allergic skin reaction. Overexposure may cause delayed lung injury and chemical pneumonia.

VI. HAZARDS IDENTIFICATION

Irritancy of Product:	Eye, skin, respiratory or gastrointestinal irritation. It is possible that such irritation may be severe and lead to burns..
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:	E CORROSIVE MATERIAL

VII. PREVENTATIVE MEASURES

Personal Protection

Eyes:	Safety glasses with side shields or chemical goggles.
Skin:	Neoprene or nitrile gloves recommended.
Ventilation:	Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation, wear an organic vapor respirator
Engineering Controls:	In case of insufficient ventilation, wear an organic vapor respirator
Spill Procedures:	Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Wear appropriate protective and respiratory equipment.
Protection of Man and Environment:	Follow Canadian and local regulations for disposal.
Handling Procedures and Equipment:	Use with adequate ventilation. Avoid breathing vapours. Wear all appropriate personal protective equipment.
Special Handling Information:	Keep in a dry, cool place. Eye wash station should be close by in case of contact with eyes. Keep away from children.

VIII. 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. If symptoms persist, call a physician.
Skin Contact:	Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention. Wash contaminated clothing before re-use. Discard contaminated shoes.
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:	Corrosive liquid, basic, organic, n.o.s., (Mercaptan/amine blend), Limited Quantity
Hazard Class:	Class 8, PGIII
UN/ID No:	UN 3267

IATA (Air)

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

IMDG (Vessel)

Proper Shipping Name:	Corrosive liquid, basic, organic, n.o.s.(Mercaptan/Amine blend), Limited Quantity
Hazard Class:	Class 8 PGIII
UN Number:	UN 3267

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 3, FLAMMABILITY 1, PHYSICAL HAZARD 0
(HMIS is a registered trademark of the National Paint and Coatings Association)

Estimated NFPA Rating: HEALTH 3, FLAMMABILITY 1, REACTIVITY 0
(NFPA is a registered trademark of the National Fire Protection Association)

Prepared By: Denise Boyd, Manager-Environmental, Health & Safety

Revision Date: April 02, 2014

Company: ITW Permatex Canada. 35 Brownridge Rd. Unit 1, Halton Hills, ON L76 0C6

Revision Number: 1

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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: PC 84162 PERMA POXY 1 MINUTE CLEAR EPOXY (RESIN)
Item No: VC0163A
Product Type: Epoxy resin

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	60-100	11400 mg/kg	not available	
TREATED SILICON DIOXIDE, SYNTHETIC, CRYSTALLINE-FREE 67762-90-7	1-5	>5,000 mg/kg	not available	10 mg/m ³

III. PHYSICAL DATA

Physical State/Appearance: Viscous liquid
Odour & Odour Threshold: Slight odour
Specific Gravity: 1.16
Evaporation Rate: <1 (Butyl acetate = 1)
Vapour Pressure: 0.03 mmHg
Vapour Density: Heavier than air
Freezing Point: Not determined
pH: Neutral
Octanol/Water Coefficient: Not determined
Boiling Point: >260°C

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Dry chemical, Carbon dioxide, Foam
Hazardous Combustion Products: Oxides of carbon, Phenolic compounds
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected
Conditions of Flammability: None anticipated
Flash Point/Range: 204°C (400°F)
Autoignition Temperature: Not determined
Upper Explosive Limit: Not determined
Lower Explosive Limit: Not determined

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable under normal conditions
Materials to avoid: Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines)
Conditions of Reactivity: High temperatures
Hazardous Decomposition Products: Carbon oxides, Phenolics

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: High concentrations of vapor or mist may be harmful or irritating if inhaled.. Ingestion may cause abdominal pain, vomiting. May cause pain, redness or swelling of the eyes and excessive blinking and tear production. May cause skin sensitization.
Effects of Chronic Exposure: May cause an allergic skin reaction.
Irritancy of Product: See (Effects of Acute Exposure to Product)
Sensitization to Product: (See Effects of Acute Exposure to Product)

VI. HAZARDS IDENTIFICATION

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: D2B TOXIC MATERIALS

VII. PREVENTATIVE MEASURES

Personal Protection

Eyes: Safety glasses
Skin: Neoprene or nitrile gloves recommended
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: Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.
Protection of Man and Environment: Follow Canadian and local regulations for disposal.
Handling Procedures and Equipment: Store in a dry area below 35°C. Use with adequate ventilation.
Special Handling Information: Keep in a dry, cool place. Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use.

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. If symptoms persist, call a physician.
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 laundry before reuse.
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: Not regulated
Hazard Class: None
UN/ID No: None

IATA (Air)

Proper Shipping Name: Not regulated
Class or Division: None
UN/ID Number: None

IMDG (Vessel)

Proper Shipping Name: Not regulated
Hazard Class: None
UN Number: None

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 0
(HMIS is a registered trademark of the National Paint and Coatings Association)

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 1, REACTIVITY 0
(NFPA is a registered trademark of the National Fire Protection Association)

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