

Permatex Canada, Inc.
8450 Lawson Road, Unit 1
Milton, ON Canada L9T 0A4
Telephone: 1-87-Permatex
(877) 376-2839
Urgence: 800-255-3924

Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: 84111 PC PERMA POXY 5 MIN GEN PURPOSE EPOXY 25ML PART 1
Item No: 202002G
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	11400 mg/kg	not available	not listed

III. PHYSICAL DATA

Physical State/Appearance: Clear liquid
Odour & Odour Threshold: Slight odour
Specific Gravity: 1.17
Evaporation Rate: <1 (butyl acetate = 1)
Vapour Pressure: <0.1 mm Hg
Vapour Density: >1 (air =1)
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: >260 degrees C.

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Carbon monoxide, aldehydes, acids and other organic substances may be formed during combustion or elevated temperatures (260 degrees C.)
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected
Conditions of Flammability: Heating above 150C in the presence of air may cause slow oxidative decomposition and above 260C may cause polymerization.
Flash Point/Range: >200°C PMCC
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 of use
Materials to avoid: Incompatible with strong bases and oxidizing agents, Acids
Conditions of Reactivity: Avoid excessive heat, sparks and open flame
Hazardous Decomposition Products: Carbon dioxide, Carbon monoxide, Aldehydes, Organic acid vapors

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: Signs of eye irritation include pain, redness, swelling, excessive blinking and tear production. May cause skin sensitization. May cause nausea, vomiting, pain and stomach upset (i.e., diarrhea).
Effects of Chronic Exposure: Estimated dermal toxicity in rabbits is 20,000 mg/kg. Estimated oral LD50 greater than 11.4 g/kg. 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)
Carcinogenicity: (See Effects of Chronic Exposure to Product)

Product Name: 84111 PC PERMA POXY 5 MIN GEN
PURPOSE EPOXY 25ML PART 1

Item No: 202002G

VI. HAZARDS IDENTIFICATION

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. 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.

Engineering Controls:

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:

Avoid breathing vapours. 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. Keep individual calm. Obtain medical attention.

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 with soap and water. 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.

IX. SHIPPING INFORMATION

Canadian Transportation of Dangerous Goods

Proper Shipping Name: Not Regulated
Hazard Class: None
UN/ID No: None

IATA

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

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 1, PHYSICAL HAZARD 0

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 1, REACTIVITY 0

HMIS is a registered trademark of the National Paint and Coatings Assn.

NFPA is a registered trademark of the National Fire Protection Assn.

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

Revision Date: July/25/2008

Company:

Permatex Canada, Inc. 8450 Lawson Rd. Unit 1, Milton, ON L9T 0A4

Revision Number: 3

Telephone No.: 1-87-Permatex (877) 376-2839

Permatex Canada, Inc.
8450 Lawson Road, Unit 1
Milton, ON Canada L9T 0A4
Telephone: 1-87-Permatex
(877) 376-2839
Urgence: 800-255-3924

Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: 84111 PC PERMA POXY 5 MIN GEN PURPOSE EPOXY PART 2 25ML
Item No: PTX203002G
Product Type: Epoxy hardener

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH TLV: TWA
MERCAPTAN AMINE BLEND MIXTURE	>60	not available	not available	not listed
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL 90-72-2	<20	1000 mg/kg	not available	not listed

III. PHYSICAL DATA

Physical State/Appearance: Yellow liquid
Odour & Odour Threshold: Mercaptan odour
Specific Gravity: 1.13
Evaporation Rate: Not determined
Vapour Pressure: <0.1 mm Hg @ 20°C
Vapour Density: Not determined
Freezing Point: Not determined
pH: 9.5 (5% slurry in water)
Octanol/Water Coefficient: Not determined
Boiling Point: Not determined

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.
Hazardous Combustion Products: Oxides of carbon, Oxides of nitrogen, Amines, Ammonia
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected
Conditions of Flammability: During a fire, irritating and toxic gases may be generated during combustion or decomposition.
Flash Point/Range: >95°C PMCC
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 of use
Materials to avoid: Strong oxidizing agents, Amines
Conditions of Reactivity: High temperatures
Hazardous Decomposition Products: Oxides of nitrogen, Carbon monoxide, Ammonia, Amines

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye. Skin. Inhalation (breathing)
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. May cause permanent visual impairment. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea. Inhaling may cause mild irritation to the nose, throat and respiratory tract.
Effects of Chronic Exposure: May cause an allergic skin reaction. May cause corneal opacity (clouding of the eye surface). Overexposure may cause delayed lung injury and chemical pneumonia.
Irritancy of Product: See (Effects of Acute Exposure to Product)

Product Name: 84111 PC PERMA POXY 5 MIN GEN
PURPOSE EPOXY PART 2 25ML

Item No: PTX203002G

VI. HAZARDS IDENTIFICATION

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: D2B TOXIC MATERIALS

VII. PREVENTATIVE MEASURES

Personal Protection

Eyes: Safety glasses.
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.
Engineering Controls: 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: Use with adequate ventilation. Avoid breathing vapours. Use good personal hygiene. Avoid smoking, eating or drinking during use. Wash with soap and water after handling. Do not store scrap resin with scrap hardener.. Keep away from sources of ignition and hot surfaces.
Special Handling Information: Avoid contact with skin and eyes. Eliminate all ignition sources. Avoid prolonged exposure to vapours. Wear suitable gloves and eye protection. Store in a cool, dry, well-ventilated area.

VIII. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.
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 with soap and water. 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.

IX. SHIPPING INFORMATION

Canadian Transportation of Dangerous Goods

Proper Shipping Name: Not Regulated
Hazard Class: None
UN/ID No: None

IATA

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

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 3, FLAMMABILITY 1, PHYSICAL HAZARD 0
Estimated NFPA Rating: HEALTH 3, FLAMMABILITY 1, REACTIVITY 0
HMIS is a registered trademark of the National Paint and Coatings Assn.
NFPA is a registered trademark of the National Fire Protection Assn.

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

Revision Date: July/28/2008

Company:

Permatex Canada, Inc. 8450 Lawson Rd. Unit 1, Milton, ON L9T 0A4

Revision Number: 1

Telephone No.: 1-87-Permatex (877) 376-2839