

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: 09220 PC PLASTIC TANK REPAIR KIT PART 1
Item No: PTX209799J
Product Type: Epoxy

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	>95	11400 mg/kg	not available	

III. PHYSICAL DATA

Physical State/Appearance: Black liquid
Odour & Odour Threshold: Mild odour
Specific Gravity: 1.17
Evaporation Rate: <1 (butyl acetate = 1)
Vapour Pressure: <0.1 mm Hg @ 20°C
Vapour Density: Heavier than air
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: >290°C

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.
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: None anticipated.
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: None
Materials to avoid: Can react vigorously with strong oxidizing agents, mineral acids and strong mineral and organic bases, especially primary and secondary aliphatic amines. Reaction with some curing agents produces considerable heat. Hazardous polymerization may occur if over-catalyzed or insufficiently aerated after catalyzation. This polymerization is exothermic.
Conditions of Reactivity: Carbon monoxide, Aldehydes, Organic acid vapors
Hazardous Decomposition Products:

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 eye and skin irritation. May cause skin sensitization.
Effects of Chronic Exposure: See (Effects of Acute Exposure to Product).
Irritancy of Product: Irritation of eyes, skin, nose and throat. May cause dermatitis on prolonged contact in sensitive individuals. Overexposure may cause eye and skin redness.
Sensitization to Product: (See Effects of Acute Exposure to Product)
Carcinogenicity: (See Effects of Chronic Exposure to Product)

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: Non-controlled

VII. PREVENTATIVE MEASURES

Personal Protection

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
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: 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.
Protection of Man and Environment: Follow Canadian and local regulations for disposal.
Handling Procedures and Equipment: Store in a dry area below 35°C.
Special Handling Information: 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. 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 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: 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 Assn.

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

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

Revision Date: October 27, 2009

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

Revision Number: 2

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: 09220 PC PLASTIC TANK REPAIR KIT PART 2
Item No: PTX209800J
Product Type: Hardener

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
MERCAPTAN AMINE BLEND MIXTURE	>95	not available	not available	

III. PHYSICAL DATA

Physical State/Appearance: Yellow liquid
Odour & Odour Threshold: Mercaptan odour
Specific Gravity: 1.15
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: Carbon dioxide, Dry chemical, Foam
Hazardous Combustion Products: Oxides of carbon, Oxides of nitrogen, Hydrogen sulfide, Oxides of sulfur
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected
Conditions of Flammability: None anticipated.
Flash Point/Range: 260°C COC
Autoignition Temperature: Not determined
Upper Explosive Limit: Not determined
Lower Explosive Limit: Not determined

V. REACTIVITY DATA

Conditions Causing Chemical Instability: None
Materials to avoid: Strong oxidizers, Amines
Conditions of Reactivity: None
Hazardous Decomposition Products: Oxides of nitrogen, Carbon monoxide, Hydrogen sulfide, Oxides of sulfur

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation

Existing Conditions Aggravated by Exposure: None known

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

Effects of Acute Exposure: Inhaling may cause mild irritation to the nose, throat and respiratory tract. May cause skin sensitization. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea. Can cause severe skin and eye irritation or burns. May cause permanent visual impairment.

Effects of Chronic Exposure: Overexposure may cause delayed lung injury and chemical pneumonia.

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)

VI. HAZARDS IDENTIFICATION

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: 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. 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. Prevent from entering waterways or sewers.
Protection of Man and Environment: Follow Canadian and local regulations for disposal.
Handling Procedures and Equipment: Store in a dry area below 35°C.
Special Handling Information: 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: 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: 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 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: Not regulated
Hazard Class: None
UN Number: None

X. PREPARATION INFORMATION

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

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

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

Revision Date: October 27, 2009

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

Revision Number: 2

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