

Permatex Canada, Inc.
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 (877) 376-2839
 Urgence: 800-255-3924

Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: 12689 PC REARVIEW MIRROR ADHESIVE KIT PART 1
Item No: PTX194319B
Product Type: Adhesive

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
POLYURETHANE METHACRYLATE RESIN MIXTURE	30-50	not available	not available	
HYDROXYALKYL METHACRYLATE 27813-02-1	20-40	11200 mg/kg	not available	
ALIPHATIC URETHANE METHACRYLATE 3290-92-4	<10	5660 uL/kg	not available	
ACRYLIC ACID 79-10-7	<5	33.5 mg/kg	3.6 mg/L/4H; 1202 ppm/4H	2 ppm
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	<3	382 mg/kg	200 ppm/4H	
2-HYDROXYETHYL METHACRYLATE 868-77-9	<3	5050 mg/kg	not available	

III. PHYSICAL DATA

Physical State/Appearance: Yellow liquid
Odour & Odour Threshold: Sharp, irritating
Specific Gravity: 1.1
Evaporation Rate: Not determined
Vapour Pressure: <5 mmHg @ 24°C
Vapour Density: Heavier than air
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: >150°C

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Irritating organic vapours.
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected
Conditions of Flammability: None anticipated
Flash Point/Range: >95°C COC
Autoignition Temperature: Not determined
Upper Explosive Limit: Acrylic acid: 8.0%
Lower Explosive Limit: Acrylic acid: 2.0%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: None
Materials to avoid: Incompatible with strong bases and oxidizing agents
Conditions of Reactivity: None
Hazardous Decomposition Products: CO, CO2 and various unidentified organic compounds

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure:	Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure:	Acrylic acid: Upper respiratory and lung diseases, dermatitis
Toxicity Information:	(See Effects of Acute Exposure to Product)
Effects of Acute Exposure:	May cause severe eye irritation and moderate skin irritation. Possible inhalation irritant. May be harmful if swallowed.
Effects of Chronic Exposure:	May cause an allergic skin reaction.
Irritancy of Product:	Eye irritation may be severe.
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.
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. Wear an organic vapor respirator.
Engineering Controls:	
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:	Avoid breathing vapours. Use with adequate ventilation.
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. Do not store at temperatures above 40 degrees C.

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.
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:	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 1
NFPA is a registered trademark of the National Fire Protection Assn.

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

**Product Name: 12689 PC REARVIEW MIRROR
ADHESIVE KIT PART 1**

Item No: PTX194319B

X. PREPARATION INFORMATION

Revision Date: June 17, 2009

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

Revision Number: 6

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

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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: 12689 PC REARVIEW MIRROR ADHESIVE KIT PART 2
Item No: PTX394319B
Product Type: Activator

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
2-PROPANOL 67-63-0	90-100	4396 mg/kg	72.6 mg/L/4H	200 ppm
MINERAL SPIRITS 8052-41-3	<2	not available	not available	100 ppm
ORGANO-COPPER COMPOUND 85737-14-0	<1	not available	not available	
ORGANO-COPPER COMPOUND 68084-48-0	<1	not available	not available	
ORGANO-COPPER COMPOUND 22221-10-9	<1	not available	not available	

III. PHYSICAL DATA

Physical State/Appearance: Clear liquid
Odour & Odour Threshold: Alcohol odour
Specific Gravity: 0.79
Evaporation Rate: 7.7 (butyl acetate = 1)
Vapour Pressure: 33 mmHg @ 20°C
Vapour Density: 2.1 (2-Propanol)
Freezing Point: -85°C (2-Propanol)
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: 82°C @ 760 mmHg

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, 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 degrees C..
Conditions of Flammability: FLAMMABLE: Keep from heat and open flame Vapours are heavier than air and may travel or be moved along the ground to an ignition source
Flash Point/Range: 12°C TCC
Autoignition Temperature: 400°C (2-Propanol)
Upper Explosive Limit: 12.0%
Lower Explosive Limit: 2.0%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: None
Materials to avoid: Strong oxidizing agents
Conditions of Reactivity: Avoid excessive heat, sparks and open flame
Hazardous Decomposition Products: CO, CO2 and various unidentified organic compounds

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure: Propanol: Skin, eye and respiratory disorders. Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected
Toxicity Information: (See Effects of Acute Exposure to Product)

VI. HAZARDS IDENTIFICATION

Effects of Acute Exposure:	Inhalation: High concentration may cause respiratory irritation and central nervous system depression with dizziness, headache, unconsciousness. Inhaling may cause mild irritation to the nose, throat and respiratory tract. May cause eye and skin irritation. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.
Effects of Chronic Exposure:	May cause liver and kidney damage.
Irritancy of Product:	Irritation of eyes, skin, nose and throat. May cause dermatitis on prolonged contact in sensitive individuals.
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.
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. Wear an organic vapor respirator.
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.
Protection of Man and Environment:	Follow Canadian and local regulations for disposal.
Handling Procedures and Equipment:	Flammable. Store away from heat, open flame or other sources of ignition. Avoid breathing vapours. Use with adequate ventilation. Use good personal hygiene. Avoid smoking, eating or drinking during use.
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. Keep away from heat, sparks and open flame.

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 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:	Isopropanol solution (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG regulations.)
Hazard Class:	Class 3; Packing Group II
UN/ID No:	UN 1219

IATA

Proper Shipping Name:	Consumer Commodity (Not more than 1 liter)
Class or Division:	Class 9
UN/ID Number:	ID 8000

IMDG

Proper Shipping:	Isopropanol (Isopropyl Alcohol), Limited Quantity
Hazard Class:	Class 3, PG II (12°C C.C)
UN Number:	UN 1219

X. PREPARATION INFORMATION

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

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

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

**Product Name: 12689 PC REARVIEW MIRROR
ADHESIVE KIT PART 2**

Item No: PTX394319B

X. PREPARATION INFORMATION

Revision Date: June 17, 2009

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