

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: PC SPRAY-N-SEAL LEAK REPAIR 255 GR
Item No: 29223
Product Type: Aerosol adhesive

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
ACETONE 67-64-1	25-35	5800 mg/kg	not available	500 ppm
TOLUENE 108-88-3	5-15	636 mg/kg	12.5 mg/L/4H; >26700 ppm/1H	20 ppm
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH. 64742-88-7	<10	>5000 mg/kg	>5.28 mg/L/4H	
2-PROPANOL 67-63-0	<10	4396 mg/kg	72.6 mg/L/4H	200 ppm
PROPANE 74-98-6	<10	not available	658 mg/L/4H	1000 ppm
BUTANE 106-97-8	<10	not available	658 mg/L/4H	1000 ppm
XYLENE 1330-20-7	<5	4300 mg/kg	5000 ppm/4H; 47635 mg/L/4H	100 ppm
N-HEXANE 110-54-3	<2	25 g/kg	48000 ppm/4H	50 ppm
ETHYL BENZENE 100-41-4	0.1-1.0	3500 mg/kg	17.2 mg/L/4H	100 ppm

III. PHYSICAL DATA

Physical State/Appearance: Clear liquid/aerosol
Odour & Odour Threshold: Solvent odour
Specific Gravity: 0.77
Evaporation Rate: >1 (Ether = 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: -18°C - 182°C

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Oxides of carbon
Sensitivity to Static Discharge: Aerosol cans are under pressure and may explode in fire.
Conditions of Flammability: FLAMMABLE: Sprayed product will project flame and may flashback on contact of spray with an ignition source. Contents under pressure. Keep containers cool. Containers may explode if heated.
Flash Point/Range: -15°C, Flame projection >15 cm but <100 cm
Autoignition Temperature: Not determined
Upper Explosive Limit: 12.8%
Lower Explosive Limit: 1.0%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: None
Materials to avoid: Strong oxidizers
Conditions of Reactivity: Avoid excessive heat, sparks and open flame
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:	May cause eye, skin and respiratory irritation. Harmful if swallowed. Excessive exposure may cause headache, nausea, dizziness and in extreme cases, unconsciousness, respiratory depression. Intentionally concentrating and inhaling the vapor may be harmful or fatal.
Effects of Chronic Exposure:	Aspiration can be a hazard if this material is swallowed. Animals exposed to acetone over long periods of time developed eye and kidney damage. Chronic overexposure to toluene is associated with brain damage, liver, kidney and blood effects. Laboratory rats exposed to prolonged high Xylene concentrations suffered hearing loss. Rats exposed to Xylene vapor during pregnancy have shown embryo/fetotoxic effects. Mice exposed orally to doses of Xylene which produced maternal toxicity have also shown embryo/fetotoxic effects. Overexposure to methyl ethyl ketone and n-hexane may cause peripheral nerve damage (that of arms and legs) and result in muscular weakness and loss of sensation. Repeated exposure to Toluene has been associated with high frequency hearing loss based on animal studies. Vapor above TLV is irritating to eyes, nose, and throat and can cause headache, dizziness, nausea.
Irritancy of 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:	Exposure to alcohol may enhance any potential for liver toxicity.
WHMIS Hazard Class:	B5 FLAMMABLE AEROSOLS, D2A VERY TOXIC MATERIALS, 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:	
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 away from heat, sparks and open flame. Store at temperatures below 50°C. Contents under pressure. Do not puncture or incinerate container. 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:	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. Do not spray into eyes or onto skin.

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:	Aerosols (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG Regulations)
Hazard Class:	Class 2.1
UN/ID No:	UN 1950

IATA

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

IMDG

Proper Shipping:	Aerosols, Limited Quantity
Hazard Class:	Class 2.1

Product Name: PC SPRAY-N-SEAL LEAK REPAIR 255
GR

Item No: 29223

UN Number: UN 1950

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 4, PHYSICAL HAZARD 0
HMIS is a registered trademark of the National Paint and Coatings Assn.

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 4, REACTIVITY 0
NFPA is a registered trademark of the National Fire Protection Assn.

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

Revision Date: December 15, 2009

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

Revision Number: 11

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