

ITW Permatex Canada
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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: PC MOTO SEAL 1 ULTIMATE GASKET MAKER GREY 80 ML
Item No: 38401
Product Type: Adhesive

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
XYLENE 1330-20-7	25-35	4300 mg/kg	5000 ppm/4H; 47635 mg/L/4H	100 ppm
CALCIUM CARBONATE 471-34-1	20-30	6450 mg/kg	not available	10 mg/m ³
POLYETHYLENE-BASED RUBBER 68037-39-8	10-20	not available	not available	
2-BUTOXYETHANOL 111-76-2	10-20	470 mg/kg	2.21 mg/L/4H, 450 ppm/4H	20 ppm
ETHYL BENZENE 100-41-4	<5	3500 mg/kg	17.2 mg/L/4H	20 ppm
TITANIUM DIOXIDE 13463-67-7	<2	>10000 mg/kg	not available	10 mg/m ³

III. PHYSICAL DATA

Physical State/Appearance: Grey liquid
Odour & Odour Threshold: Solvent odour
Specific Gravity: 1.19
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: 140°C

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon dioxide, Dry chemical, Foam
Hazardous Combustion Products: Oxides of carbon, hydrocarbons, hydrogen chloride, organic acids, aldehydes, alcohols, sulfur dioxide.
Sensitivity to Static Discharge: Sensitivity to static discharge is expected; material has a flash point below 50 degrees C.
Conditions of Flammability: FLAMMABLE: Keep from heat and open flame.
Flash Point/Range: 30 degrees C. Method: Tag Closed Cup.
Autoignition Temperature: Not determined
Upper Explosive Limit: Xylene: 7; 2-Butoxyethanol: 10.6; Ethylbenzene: 6.7
Lower Explosive Limit: Xylene: 0.9; 2-Butoxyethanol: 1.1

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: Carbon oxides, Carbon tetrachloride, Chlorine

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure: Skin disorders such as dermatitis, respiratory disorders including those of the lungs such as asthma-like conditions, central nervous system, eye, gastrointestinal tract, liver and kidney disorders.
Toxicity Information: (See Effects of Acute Exposure to Product)

VI. HAZARDS IDENTIFICATION

Effects of Acute Exposure:	May cause eye, skin and respiratory irritation. Irritating to mouth, throat and stomach with nausea. Excessive exposure may cause headache, nausea, dizziness and in extreme cases, unconsciousness, respiratory depression.
Effects of Chronic Exposure:	Central nervous system damage. Gastrointestinal system disorders. 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. Long term overexposure to solvents have been associated with lung, liver and kidney damage. Note: This product does not contain microcrystalline silica.
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, D2A VERY TOXIC MATERIALS, 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:	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, sparks and open flame. Store at temperatures below 50°C. Use with adequate ventilation. Avoid breathing vapours. Keep container closed when not in use. Wear all appropriate personal protective equipment. 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. Eliminate all ignition sources. Avoid prolonged exposure to vapours. Wear suitable gloves and eye protection.

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. 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:	Adhesives, Limited Quantity
Hazard Class:	Class 3, PGIII
UN/ID No:	UN 1133

IATA (Air)

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

IMDG (Vessel)

Proper Shipping Name:	Adhesives, Limited Quantity
Hazard Class:	Class 3, PGIII
UN Number:	UN 1133

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0
(HMIS is a registered trademark of the National Paint and Coatings Association)

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 3, REACTIVITY 0
(NFPA is a registered trademark of the National Fire Protection Association)

X. PREPARATION INFORMATION

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