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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: PC 09226 WHEEL RESTORATION KIT FILLER PART 1
Item No: PTX390156C
Product Type: Sealant

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
BARIUM SULFATE 7727-43-7	45-55	not available	not available	10 mg/m ³
KAOLIN 1332-58-7	15-25	not available	not available	2 mg/m ³
ACETONE 67-64-1	10-20	5800 mg/kg	not available	500 ppm
VINYL RESIN 9005-09-8	<10	not available	not available	
ISOBUTYL ACETATE 110-19-0	<7	13400 mg/kg	not available	150 ppm
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	>10000 mg/kg	not available	10 mg/m ³
SILICA, QUARTZ 14808-60-7	0.1-1.0	500 mg/kg	not available	0.025 mg/m ³

III. PHYSICAL DATA

Physical State/Appearance: Black liquid
Odour & Odour Threshold: Solvent odour
Specific Gravity: 1.9
Evaporation Rate: <1 (butyl acetate = 1)
Vapour Pressure: 181 mm Hg
Vapour Density: Heavier than air
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: 55°C

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Oxides of carbon, Metal oxides fumes, hydrogen chloride
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. Containers may explode if heated.
Flash Point/Range: -15°C
Autoignition Temperature: Not determined
Upper Explosive Limit: 12.8%
Lower Explosive Limit: 2.4%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable under normal conditions of use
Materials to avoid: Strong oxidizers, Acids, Alkalies, Reducing agents
Conditions of Reactivity: Avoid excessive heat, sparks and open flame
Hazardous Decomposition Products: Carbon dioxide, Carbon monoxide

VI. HAZARDS IDENTIFICATION

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

VI. HAZARDS IDENTIFICATION

Existing Conditions Aggravated by Exposure: Acetone: Lung and other respiratory diseases, eye, skin and central nervous system problems.

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

Effects of Acute Exposure: May cause eye, skin and respiratory irritation. High concentration may cause respiratory irritation and central nervous system depression with dizziness, headache, unconsciousness. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.

Effects of Chronic Exposure: May cause central nervous system effects. Animals exposed to acetone over long periods of time developed eye and kidney damage.

Irritancy of Product: Overexposure may cause eye or respiratory system irritation; headache, nausea, dizziness, weakness, fatigue, unconsciousness, vomiting, diarrhea, eye redness, tearing, blurred vision.

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: 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: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

Spill Procedures: Follow Canadian and local regulations for disposal.

Protection of Man and Environment: Use with adequate ventilation. Avoid breathing vapours. Use good personal hygiene. Avoid smoking, eating or drinking during use.

Handling Procedures and Equipment: Store in a cool, dry, well-ventilated area. 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 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: Adhesives (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG).

Hazard Class: Class 3; Packing Group II

UN/ID No: UN 1133

IATA

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)

Class or Division: Class 9

UN/ID Number: ID 8000

IMDG

Proper Shipping: Adhesives containing flammable liquid, Limited Quantity

Hazard Class: Class 3, PG II

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 Assn.

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 3, REACTIVITY 0

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

Product Name: PC 09226 WHEEL RESTORATION KIT
FILLER PART 1

Item No: PTX390156C

X. PREPARATION INFORMATION

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

Revision Date: August 07, 2008

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

Revision Number: 1

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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: PC 09226 WHEEL RESTORATION KIT AEROSOL PART 2
Item No: HWP101C
Product Type: Paint

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
ACETONE 67-64-1	15-25	5800 mg/kg	not available	500 ppm
PROPANE 74-98-6	10-20	not available	658 mg/L/4H	1000 ppm
BUTANE 106-97-8	10-20	not available	658 mg/L/4H	1000 ppm
TOLUENE 108-88-3	5-15	636 mg/kg	12.5 mg/L/4H; >26700 ppm/1H	20 ppm
METHYL ETHYL KETONE (BUTANONE) 78-93-3	<10	2737 mg/kg	32 g/m³/4H	200 ppm
XYLENE 1330-20-7	<10	4300 mg/kg	5000 ppm/4H; 47635 mg/L/4H	100 ppm
ETHYL BENZENE 100-41-4	<2	3500 mg/kg	17.2 mg/L/4H	100 ppm
COBALT 2-ETHYLHEXANOATE 136-52-7	0.1-1.0	not available	not available	

III. PHYSICAL DATA

Physical State/Appearance: Aerosol, silver liquid
Odour & Odour Threshold: Solvent odour
Specific Gravity: 0.74
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: Flame projection >15 cm but <100 cm, -15°C
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: 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:	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:	(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)
Mutagenicity:	(See Effects of Chronic Exposure to Product)
Toxicologically Synergistic Products:	Exposure to alcohol may enhance any potential for liver toxicity.
WHMIS Hazard Class:	A COMPRESSED GAS, 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:	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 vapors. 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
UN Number:	UN 1950

Product Name: PC 09226 WHEEL RESTORATION KIT
AEROSOL PART 2

Item No: HWP101C

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: September 05, 2008

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Revision Number: 1

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