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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: PC PLASTIC LENS RESTORATION KIT
Item No: 09225
Product Type: Cleaner

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
WATER 7732-18-5	60-70	not available	not available	
STODDARD SOLVENT 8052-41-3	15-25	>5 g/kg	>5,500 mg/m ³ /4H	100 ppm
CALCIUM CARBONATE 471-34-1	<10	6450 mg/kg	not available	10 mg/m ³

III. PHYSICAL DATA

Physical State/Appearance: White liquid
Odour & Odour Threshold: Petroleum
Specific Gravity: 0.98
Evaporation Rate: <1 (butyl acetate = 1)
Vapour Pressure: <5 mmHg @ 21°C
Vapour Density: 4.7
Freezing Point: Not determined
pH: 9.0
Octanol/Water Coefficient: Not determined
Boiling Point: 100°C (212°F)

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Oxides of carbon, Oxides of nitrogen, Amines, Ammonia
Sensitivity to Static Discharge: Sensitivity to static discharge is expected; material has a flash point below 50 degrees C.
Conditions of Flammability: Containers may explode if heated.
Flash Point/Range: 45°C. CCC
Autoignition Temperature: Not determined
Upper Explosive Limit: 12.0%
Lower Explosive Limit: 1.0%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable
Materials to avoid: Strong oxidizing agents, Active metals
Conditions of Reactivity: High temperatures
Hazardous Decomposition Products: Carbon oxides, Oxides of nitrogen, Amines, Ammonia

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: Harmful if swallowed. High concentration may cause respiratory irritation and central nervous system depression with dizziness, headache, unconsciousness. May cause eye and skin irritation. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration into the lungs can cause pneumonia which can be fatal.
Effects of Chronic Exposure: Aspiration can be a hazard if this material is swallowed.

VI. HAZARDS IDENTIFICATION

Irritancy of Product: Overexposure may cause eye or respiratory system irritation; headache, nausea, dizziness, weakness, fatigue, unconsciousness, vomiting, diarrhea, eye redness, tearing, blurred vision. Swallowing: This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration of material into the lungs can cause chemical pneumonia which can be fatal. Symptoms may include: 1) throat irritation, 2) gastrointestinal irritation (nausea, vomiting, diarrhea), 3) central nervous system depression; dizziness, drowsiness, weakness, fatigue, nausea, headache, possible unconsciousness, coma and even death, 4) high blood sugar.

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: B3 COMBUSTIBLE 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. In case of insufficient ventilation, wear an organic vapor respirator.

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: Avoid breathing vapours. Keep away from sources of ignition and hot surfaces. Do not store sealed containers near extreme heat. Keep container closed when not in use. Protect from freezing.

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. 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: Petroleum distillates, n.o.s. (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG regulations)

Hazard Class: Class 3, Packing Group III

UN/ID No: UN 1268

IATA

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

Class or Division: Class 9

UN/ID Number: ID 8000

IMDG

Proper Shipping: Petroleum Distillates, n.o.s., Limited Quantity

Hazard Class: Class 3 PGIII

UN Number: UN 1268

X. PREPARATION INFORMATION

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

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

Product Name: PC PLASTIC LENS RESTORATION KIT

Item No: 09225

X. PREPARATION INFORMATION

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

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Company:

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