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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: PC GASKET REMOVER 340 G AE
Item No: 80579
Product Type: Aerosol cleaner

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
DICHLOROMETHANE 75-09-2	40-70	>2000 mg/kg	76000 mg/m ³ /4H	50 ppm
ISOBUTANE 75-28-5	10-30	not available	658 mg/L/4H	1000 ppm
TOLUENE 108-88-3	7-13	636 mg/kg	12.5 mg/L/4H; >26700 ppm/1H	20 ppm
ETHANOL 64-17-5	7-13	7060 mg/kg	not available	1000 ppm
PROPANE 74-98-6	1-5	not available	658 mg/L/4H	1000 ppm

III. PHYSICAL DATA

Physical State/Appearance: Clear liquid/aerosol
Odour & Odour Threshold: Ether odour
Specific Gravity: 1.15-1.19
Evaporation Rate: >1.0 (butyl acetate = 1)
Vapour Pressure: 20-30 psig @ 20°C
Vapour Density: >1 (air =1)
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: 40-111°C (conc)

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Hydrochloric acid, phosgene, chlorine, carbon dioxide
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 Containers may explode if heated Keep containers cool Use equipment or shielding to protect personnel from bursting containers
Flash Point/Range: 4°C TCC. Flame projection >15 cm but <100 cm.
Autoignition Temperature: 363-556°C
Upper Explosive Limit: 23%
Lower Explosive Limit: 1.0%

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable under normal conditions of use
Materials to avoid: Strong oxidizing agents
Conditions of Reactivity: Avoid excessive heat, sparks and open flame
Hazardous Decomposition Products: Carbon monoxide, Hydrogen chloride, phosgene, chlorine.

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure: Methylene chloride: Cardiovascular problems
Toxicity Information: (See Effects of Acute Exposure to Product)

VI. HAZARDS IDENTIFICATION

Effects of Acute Exposure: May cause eye, skin and respiratory irritation. Vapors are anesthetic in high concentrations. Harmful if swallowed. Intentionally concentrating and inhaling the vapor may be harmful or fatal.

Effects of Chronic Exposure: Reports have associated repeated and prolonged overexposure to solvents with permanent brain damage and nervous system damage. Cardiovascular effects. Inhalation of high concentrations of Methylene Chloride vapor over long periods of time (years) has caused cancer in laboratory animals. Long term overexposure to solvents have been associated with lung, liver and kidney damage. Repeated exposure to Toluene has been associated with high frequency hearing loss based on animal studies.

Irritancy of Product: Headache, nausea, dizziness, light headedness, staggering gait, giddiness. Vapor above TLV is irritating to eyes, nose, and throat and can cause headache, dizziness, nausea.

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: A COMPRESSED GAS, B5 FLAMMABLE AEROSOLS, D1B TOXIC MATERIALS, 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.

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: 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.

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. If not breathing, give artificial respiration. 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, flammable, containing substances in Division 6.1, Packing Group III. (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG regulations.)

Hazard Class: 2.1 (6.1)

UN/ID No: UN 1950

IATA

Proper Shipping Name: Aerosols, flammable, containing substances in Division 6.1, Packing Group III

Class or Division: Division 2.1, Subsidiary Risk 6.1

UN/ID Number: UN 1950

IMDG

Proper Shipping: Aerosols, (Dichloromethane), Limited Quantity

Hazard Class: Class 2.1, 6.1

UN Number: UN 1950

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

Product Name: PC GASKET REMOVER 340 G AE

Item No: 80579

X. PREPARATION INFORMATION

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

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

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Company:

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