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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: PC BRAKE CLEAN 390GR AE
Item No: 29213
Product Type: Aerosol cleaner

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
N-HEXANE 110-54-3	60-100	25 g/kg	48000 ppm/4H	50 ppm
CARBON DIOXIDE 124-38-9	<7	not available	not available	5000 ppm
ETHANOL 64-17-5	<5	7060 mg/kg	not available	1000 ppm

III. PHYSICAL DATA

Physical State/Appearance: Aerosol/Clear liquid
Odour & Odour Threshold: Solvent odour
Specific Gravity: 0.67-0.72
Evaporation Rate: >1.0 (butyl acetate = 1)
Vapour Pressure: 85-95 psig
Vapour Density: Heavier than air
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: Not determined

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.
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. Use equipment or shielding to protect personnel from bursting containers. Vapours are heavier than air and may travel or be moved along the ground to an ignition source. Do not use on vehicle unless cool.
Flash Point/Range: Flame projection >15 cm but <100 cm
Autoignition Temperature: Not determined
Upper Explosive Limit: Not determined
Lower Explosive Limit: Not determined

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

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure: Hexane: Central and peripheral nervous system, vision defects
Toxicity Information: (See Effects of Acute Exposure to Product)

VI. HAZARDS IDENTIFICATION

Effects of Acute Exposure: Excessive exposure may cause headache, nausea, dizziness and in extreme cases, unconsciousness, respiratory depression. Inhaling may cause mild irritation to the nose, throat and respiratory tract. Intentionally concentrating and inhaling the vapor may be harmful or fatal. May cause eye and skin irritation.

Effects of Chronic Exposure: Long term overexposure to solvents have been associated with lung, liver and kidney damage. 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.

Irritancy of Product: Inhalation: Dizziness, anesthesia, unconsciousness, difficulty in breathing. 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: 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.

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. Prevent from entering waterways or sewers.

Protection of Man and Environment: Follow Canadian and local regulations for disposal.

Handling Procedures and Equipment: Use with adequate ventilation. Use good personal hygiene. Avoid smoking, eating or drinking during use. Wash with soap and water after handling. Contents under pressure. Do not puncture or incinerate container. Store away from heat, sparks and open flame. Store at temperatures below 50°C.

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. Do not use for prolonged periods in confined area without adequate ventilation.

VIII. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Give victim water, call a physician immediately. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.

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

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

Product Name: PC BRAKE CLEAN 390GR AE

Item No: 29213

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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