

CHEM INTERNATIONAL**MATERIAL SAFETY DATA SHEET****EMERGENCY #: CANUTEC (613) 996-6666****PRODUCT IDENTIFICATION AND PREPARATION INFORMATION****PRODUCT NAME:** C.I. Brake Clean**EFFECTIVE DATE:** January 5, 2009**WHMIS CLASS:** Class A; Class B - Div 5, Class D - Div 2B**T.D.G. CLASSIFICATION:** Consumer Commodity.**UN: PG: CHEMICAL FAMILY:** Level 3 Aerosol**MATERIAL USE:** Break parts cleaner**HAZARDOUS INGREDIENTS**

INGREDIENTS	CAS #	Wt%	TWA-TLV	LC50	LD50
Isoparaffinic Hydrocarbon	64741-66-8	60-80	400 ppm	N/D	N/D
Acetone	67-64-1	10-20	750 ppm	N/D	N/D
Methylene Chloride	75-09-2	10-20	50 ppm	167mg/kg Oral/Rat	19049 ppm Rat 4hr
Carbon Dioxide Propellant	124-38-9	01-05	10,000 ppm	N/D	N/D

PHYSICAL DATA**BOILING POINT(°C):** ~110**VAPOUR PRESSURE (psig @ 20°C):** 90**VAPOUR DENSITY (Air=1):** >1**SOLUBILITY IN WATER:** Moderate**PHYSICAL STATE:****pH (as supplied):** N/A**APPEARANCE AND ODOUR:** Clear, colorless liquid, mild sweet odor.**COEF. OF WATER/OIL DIST.:****SPECIFIC GRAVITY (H₂O=1):** @22 °C :0.783**PERCENT VOLATILE (by vol.):****EVAPORATION RATE (H₂O=1):****ODOUR THRESHOLD:****TOTAL VOC %:** ~70%**FIRE AND EXPLOSION DATA****FLAMMABILITY:** Extremely flammable spray**FLASH POINT (Deg C (of concentrate only):** 7°C**UEL:** N/AV**LEL:** N/AV**HAZARDOUS COMBUSTION PRODUCTS:****MEANS OF EXTINCTION:** Foam, CO₂, Dry media**SPECIAL FIRE HAZARDS:** Exposure to temperature above 49°C may cause bursting.**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus, and protective clothing. Cool fire exposed containers to prevent rupturing.**REACTIVITY DATA****CONDITIONS FOR CHEMICAL INSTABILITY:** Stable.**INCOMPATIBILITY:** Avoid contact with strong oxidizing agents, strong alkalis, or strong acids.**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, hydrogen chloride, small amount of phosgene.**REACTIVITY:** Hazardous polymerization will not occur.**FIRST AID****EYE:** Flush with large amounts of cool, running water for at least 15 minutes while holding upper and lower lids open. If irritation persists, get medical attention immediately**SKIN:** Wash with plenty of soap and water. If irritation persists, seek medical attention.**INHALATION:** Remove to fresh air. Seek medical attention immediately. If breathing stops, give artificial respiration.**INGESTION:** Do not induce vomiting. Seek medical attention immediately.

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eyes contact (), Skin contact (), Skin absorption (), Inhalation (), Ingestion ()

EFFECTS OF ACUTE EXPOSURE:

EYE: May cause pain and moderate irritation.

SKIN: Frequent or prolonged contact may cause mild irritation. Repeated contact may cause drying or flaking of skin.

INHALATION: Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation of vapors may cause irritation of the upper respiratory tract, dizziness, nausea, and other nervous system effects.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of chemical material into lungs can cause chemical pneumonitis.

EFFECTS OF CHRONIC EXPOSURE:

SKIN: May irritate skin.

IRRITANCY: N/D

RESPIRATORY TRACT SENSITIZATION:

CARCINOGENICITY: Hazardous by WHIMIS criteria. If this product is handled with good industrial hygiene practice, it will not present a carcinogenic risk in the work place.

REPRODUCTIVE TOXIN: N/D

TERATOGENICITY: N/D

MUTAGENICITY: N/D

SYNERGISTIC MATERIALS: N/D

PREVENTATIVE MEASURES

GLOVES: Use chemical resistant gloves if hand contact will be made.

EYE PROTECTION: If it is anticipated that a splash or spill back will occur, wear safety glasses, or chemical proof goggles.

RESPIRATORY PROTECTION: None needed for proper use in accordance with label directions.

OTHER PROTECTIVE EQUIPMENT:

ENGINEERING CONTROLS: Provide local exhaust to keep TLV of section II ingredients below acceptable limits.

LEAK AND SPILL PROCEDURE: Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, Provincial, and local laws.

WASTE DISPOSAL: Aerosol cans, when emptied and depressurized through normal use pose no disposal hazard and should be recycled. Consult Federal, Provincial, and local authorities for approved procedures.

STORAGE REQUIREMENTS: Store in a cool, dry area, away from open flame. Do not store at temperatures above 49 deg C.

N/AP= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · N/AV=NOT AVAILABLE
<=LESS THAN - >=MORE THAN

HMIS HAZARD RATING INFORMATION

FIRE	REACTIVITY	HEALTH	PERSONAL PROTECTION
4	1	2	B

0 – Minimal, 1- Slight, 2 – Moderate, 3 – Serious, 4 – Extreme.

DISCLAIMER: Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases, data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that the user of this material has been fully trained according to the mandatory requirements of WHIMIS. No warranty, expressed or implied is made, and supplier will not be liable for any losses, injuries, or consequential damage that may result from the use or reliance on any information contained in this form.

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