

PREFERRED INDUSTRIAL MATERIAL SAFETY DATA SHEET

EMERGENCY#: CANUTEC (613)996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: C.I. Contact Clean III **EFFECTIVE DATE:** March 27, 2011
WHMIS CLASS: Class A, Class D-Div 2B
T.D.G. CLASSIFICATION: Consumer commodity
UN: N/A **CLASS:** N/A **PG:** N/A
MATERIAL USE: High purity contact cleaner.

HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>Wt%</u>	<u>TLV</u>	<u>LC50</u>	<u>LD50</u>
1.1.1.2- Tetrafluoroethane	811-97-2	40-80	1000 ppm	n/d	n/d
n-Propyl Bromide	106-94-5	10-30	n/d	1781 pp Rat 4hr	4260 mg/kg Rat Oral
N-Propanol	71-23-8	01-05	200 ppm	n/d	1870 mg/kg Rat Oral

PHYSICAL DATA

BOILING POINT(°C): -69°C **COEF. OF WATER/OIL DIST.:** N/A
VAPOUR PRESSURE (psig @75°C): 80 **SPECIFIC GRAVITY (H₂O=1):** 1.240@22°C
VAPOUR DENSITY (Air=1): >1 **PERCENT VOLATILE (bv vol.):** Not spec.
SOLUBILITY IN WATER: Slight **EVAPORATION RATE (H₂O=1):** Not spec.
PHYSICAL STATE: Liquid **ODOUR THRESHOLD:** Not specified.
pH (as supplied): N/A **FREEZING POINT(°C):** Not specified.
APPEARANCE AND ODOUR: Clear liquid with mild ether-like odor.

FIRE AND EXPLOSION DATA

FLAMMABILITY: Non flammable spray
FLASH POINT (Deg C method): None
UEL: N/A **LEL:** N/A
HAZARDOUS COMBUSTION PRODUCTS: Not specified
MEANS OF EXTINCTION: Foam, CO₂, dry media.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.
FIRE AND EXPLOSION HAZARDS: Exposure to temperatures above 49°C may cause bursting.

REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Stable
INCOMPATIBILITY: Avoid contact with strong oxidizing agents, alkaline oxides, acid anhydrides, halogens, and esters.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, halogenated compounds and other gases.

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 soap and water. If irritation persists, seek medical attention.
INHALATION: Remove to fresh air. Seek medical attention immediately. If breathing stops, administer artificial respiration.
INGESTION: Do not induce vomiting. Seek medical attention immediately.

C.I. CONTACT CLEANER III

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eyes, skin contact, inhalation, ingestion

EFFECTS OF ACUTE EXPOSURE:

EYE: May cause slight irritation but does not injure eye tissue.

SKIN: Frequent or prolonged contact may cause irritation.

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

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration on material into the lungs can cause chemical pneumonia. Minimal toxicity.

EFFECTS OF CHRONIC EXPOSURE:

SKIN: See above.

IRRITANCY: Not specified.

RESPIRATORY TRACT SENSITIZATION: Not specified.

CARCINOGENICITY: Not hazardous by WHMIS criteria

REPRODUCTIVE TOXIN: Not specified.

TERATOGENICITY: Not specified.

MUTAGENICITY: Not specified.

SYNERGISTIC MATERIALS: Not specified.

EXPOSURE LIMITS: Not specified.

PREVENTATIVE MEASURES

GLOVES: None needed for proper use in accordance with label directions. Use chemical resistant gloves if hand contact will be made.

EYE PROTECTION: None needed unless it is anticipated that a splash or spray back will occur, then wear safety glasses.

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

OTHER PROTECTIVE EQUIPMENT: None specified.

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, state, 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: None specified.

HANDLING PROCEDURES: Not specified.

HMIS HAZARD RATING INFORMATION

<u>FLAMMABILITY</u>	<u>REACTIVITY</u>	<u>HEALTH</u>
0	0	2

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 full trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied is made, and supplier will not be liable for any losses, injuries, or consequential damage, which may result from the use or reliance on any information, contained in this form.

PREFERRED INDUSTRIAL

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