

CHEM INTERNATIONAL

MATERIAL SAFETY DATA SHEET

EMERGENCY#: CANUTEC (613) 996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: C.I. Lectrasol II

EFFECTIVE DATE: January 14, 2009

WHMIS CLASS: Class A, Class D-Div1B

T.D.G. CLASSIFICATION: Consumer Commodity.

UN: N/A

CLASS: N/A

PG: N/A

CHEMICAL FAMILY:

MATERIAL USE: Electronic motor and parts cleaner.

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	Wt%	ACGTH-TLV	LC50	LD50
Trichloroethylene	79-01-6	90-100%	50ppm TWA	7490 ppm Souris 4hr	4820 mg/kg Orale Rat
Isopropyl Alcohol	67-63-0	01-10	400 ppm	4420 mg/kg Oral Rat	22627 ppm Rat 4hr
Carbon Dioxide	124-38-9	1-5	5000ppm TWA	N/A	N/A

PHYSICAL DATA

BOILING POINT(°F): ~85°C

VAPOUR PRESSURE (mm Hg): 90

VAPOUR DENSITY (Air=1): 4.53

SOLUBILITY IN WATER: Negligible

PHYSICAL STATE: Liquid

pH (as supplied): N/A

APPEARANCE AND ODOUR: Clear Colorless Insoluble Liquid, Mild ether like odor

COEF. OF WATER/OIL DIST.: N/A

SPECIFIC GRAVITY (H₂O=1): 1.419

TOTAL VOC%: ~97%

EVAPORATION RATE (H₂O=1): N/A

ODOUR THRESHOLD: Not specified

FREEZING POINT(°C): Not specified

FIRE AND EXPLOSION DATA

FLAMMABILITY: Non flammable spray

FLASH POINT (Deg C method): None to boiling (85°C)

UEL: N/A **LEL:** N/A

HAZARDOUS COMBUSTION PRODUCTS: Not specified

MEANS OF EXTINCTION: Foam, CO₂, dry media

SPECIAL FIRE HAZARDS: Wear self contained breathing apparatus, and protective clothing. Cool fire exposed containers to prevent rupturing. Exposure to temp. above 49°C may cause bursting.

REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Stable

INCOMPATIBILITY: Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride, small amount of Phosgene.

REACTIVITY: None.

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 attn.

SKIN: Thoroughly wash exposed area with soap and water. Remove contaminated clothing; launder before reuse.

INHALATION: Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, administer artificial respiration. Keep person warm, quiet and seek medical attention immediately.

INGESTION: Do not induce vomiting. Seek medical attn. immediately. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE EXPOSURE:

EYE/SKIN: May cause pain and moderate irritation.

INHALATION: Inhalation of mist can cause irritation of nasal and respiratory passages. Repeated and prolonged exposure to high levels of solvent vapors may cause permanent brain damage. May also cause liver and kidney damage.

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

EFFECTS OF CHRONIC EXPOSURE:

SKIN: See above

IRRITANCY: Not specified

RESPIRATORY TRACT SENSITIZATION: Not specified

CARCINOGENICITY: Not specified

REPRODUCTIVE TOXIN: Not specified

TERATOGENICITY: Not specified

MUTAGENICITY: Not specified

SYNERGISTIC MATERIALS: Not specified

EXPOSURE LIMITS: Not specified

PREVENTATIVE MEASURES

GLOVES: Wear protective gloves such as poly vinyl or poly ethylene.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA are advised.

RESPIRATORY PROTECTION: If workplace exposure limits or product or any component is exceeded use a NIOSH/MSHA approved air supplies respirator.

OTHER PROTECTIVE EQUIPMENT: Not specified.

ENGINEERING CONTROLS: Should be implemented to reduce exposure.

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, local laws.

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

STORAGE REQUIREMENTS: None specified.

HANDLING PROCEDURES: None specified.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN ·
>=MORE THAN

HMIS HAZARD RATING INFORMATION

FIRE	REACTIVITY	HEALTH	PERSONAL PROTECTION
0	2	1	G

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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