

CHEM INTERNATIONAL**MATERIAL SAFETY DATA SHEET****EMERGENCY #:** CANUTEC (613) 996-6666**PRODUCT IDENTIFICATION AND PREPARATION INFORMATION****PRODUCT NAME:** C.I. Clearguard (Liquid)**EFFECTIVE DATE:** January 7, 2009**WHMIS CLASS:** D2B, Toxic This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR**T.D.G. CLASSIFICATION:** Not Regulated**UN:** N/A **CLASS:** N/A **PG:** N/A**MATERIAL USE:** Glass and smooth surface protectant.**HAZARDOUS INGREDIENTS**

INGREDIENTS	CAS #	%Wt/Wt	ACGTH-TLV	TOXICITY DATA
Ethylene glycol	111-76-2	03-07	20 ppm	LD50 Oral (rat) 1480 mg/kg LD50 Dermal(rabbit) 630 mg/kg
Monobutyl-Ether				

PHYSICAL DATA**BOILING POINT(°C):** 100**VAPOUR PRESSURE (mm Hg):** Not Avail.**VAPOUR DENSITY (Air=1):** Not Avail.**SOLUBILITY IN WATER:** 100%**EVAPORATION RATE (H₂O=1):** Not Avail.**PHYSICAL STATE:** Liquid**FREEZING POINT(°C):** Not Avail.**ODOR THRESHOLD:** Not Avail.**pH:** 9.8; 1% solution: 8.9**SPECIFIC GRAVITY:** 0.992**APPEARANCE AND ODOUR:** Bluish white liquid with light mint odour**FIRE AND EXPLOSION DATA****FLAMMABILITY:** Non-flammable**FLASH POINT (Test method):** N/A**UEL:** N/A**LEL:** N/A**HAZARDOUS COMBUSTION PRODUCTS:** May liberate carbon monoxide, carbon dioxide and oxides of sodium. **MEANS****OF EXTINCTION:** Water fog, carbon dioxide, and dry chemical, use media proper to primary cause of fire.**SPECIAL FIREFIGHTING PROCEDURES:** Use self-contained breathing equipment and protective clothing to prevent contact with eyes and skin.**FIRE AND EXPLOSION HAZARDS:** N/A**AUTOIGNITION TEMP.:** N/A**SENSITIVITY TO:****MECHANICAL IMPACT:** N/A**STATIC DISCHARGE:** N/A**REACTIVITY DATA****CHEMICAL STABILITY:** Stable under normal conditions**INCOMPATIBILITY:** Oxidizing material**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion will produce carbon dioxide and possibly carbon monoxide.**FIRST AID****EYE:** Flush with plenty of water for 15 minutes. If irritation persists, get medical attention.**SKIN:** Remove contaminated clothing and flush with plenty of running water.**INHALATION:** Remove to fresh air. Get medical attention if respiratory irritation occurs.**INGESTION:** Induce vomiting only on the direct advice of a poison control centre. Get medical attention.

TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE EXPOSURE:

EYE: Causes irritation.

SKIN: May cause irritation. Glycol ether may be absorbed through skin.

INHALATION: May cause irritation of respiratory tract.

INGESTION: May cause gastrointestinal irritation, nausea. Glycol ether has toxic effect on red blood cells.

EFFECTS OF CHRONIC EXPOSURE:

CARCINOGENICITY: Not hazardous by WHMIS criteria.

REPRODUCTIVE TOXIN: N/D

TERATOGENICITY: N/D

MUTAGENICITY: N/D

SYNERGISTIC MATERIALS: N/D

PREVENTATIVE MEASURES

GLOVES: Rubber gloves

EYE PROTECTION: Safety glasses with sideshield.

RESPIRATORY PROTECTION: A mask may be worn.

VENTILATION REQUIREMENTS (Local or General): Use under well ventilated area.

OTHER PROTECTIVE EQUIPMENT: Coveralls should be worn to minimize contact with skin and clothing.

ENGINEERING CONTROLS:

LEAK AND SPILL PROCEDURE: Flush with water and mop up.

WASTE DISPOSAL: Dispose in accordance with federal, provincial and local regulations.

STORAGE REQUIREMENTS & HANDLING PROCEDURES: Store in a cool, dry well ventilated area above freezing temperature away from incompatibles. Keep container closed when not in use.

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
1	0	1	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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