

# CHEM INTERNATIONAL

## **MATERIAL SAFETY DATA SHEET**

**EMERGENCY #: CANUTEC (613) 996-6666**

### PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

**PRODUCT NAME:** Revolution Green Concentrated Glass Cleaner      **EFFECTIVE DATE:** January 8, 2009  
**WHMIS CLASS:** D2B  
**T.D.G. CLASSIFICATION:** Not Regulated      **UN:**      **PG:**  
**MATERIAL USE:**

### HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS #	%WT	313/Chem	Skin	Carcinogen	PEL	TWA/TLV
None							

### PHYSICAL DATA

**PHYSICAL STATE:** Liquid      **SP. GRAVITY:** 1.038      **pH:** 10.1  
**BOILING POINT:** N/AV      **VAPOUR PRESSURE:** N/AV  
**VAPOUR DENSITY:** N/AV      **EVAPORATION RATE:** N/AV  
**FREEZING POINT:** N/AV  
**SOLUBILITY IN WATER:** 100%  
**APPEARANCE & ODOUR:** Blue odourless liquid.

### FIRE AND EXPLOSION DATA

**FLASH POINT (TEST METHOD):** Non-flammable  
**FLAMMABLE LIMITS IN AIR, % BY VOL.**      **LOWER:** N/A      **UPPER:** N/A  
**FIRE EXTINGUISHING SUBSTANCES:** (X) Water Fog (X) Foam (X) CO<sub>2</sub> (X) Dry Chem ( ) Other:  
**HAZARDOUS COMBUSTION PRODUCTS:** Will produce carbon oxides.  
**SPECIAL FIREFIGHTING PROCEDURES:** As for surrounding fire.

### REACTIVITY DATA

**INCOMPATIBILITY:** ( ) Water (X) Oxidizing Material ( ) Acid ( ) Base ( ) Other:  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, Carbon dioxide at elevated temperatures.  
**CHEMICAL STABILITY:** Stable.

### FIRST AID

**INHALATION:** N/A.  
**INGESTION:** Do not induce vomiting. Drink large quantities of milk or water. Get medical attention.  
**EYES:** Rinse with plenty of water for 15 minutes.  
**SKIN:** Rinse with water.

**TOXICOLOGICAL PROPERTIES**

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

**EFFECTS OF ACUTE EXPOSURE:**

**INHALATION:** No effect.  
**INGESTION:** May cause nausea, vomiting and diarrhea.  
**EYES:** May cause temporary irritation, discomfort and redness.  
**SKIN:** Prolonged contact may cause discomfort and defatting of tissue.

**EFFECTS OF CHRONIC EXPOSURE:**

**SKIN:**  
**IRRITANCY:**  
**SENSITIZATION:**  
**CARCINOGENICITY:**  
**REPRODUCTIVE TOXIN:**  
**TERATOGENICITY:**  
**MUTAGENICITY:**  
**SYNERGISTIC MATERIALS:**  
**EXPOSURE LIMITS:**

**PREVENTATIVE MEASURES**

**STEPS TO BE TAKEN UPON RELEASE OR SPILLAGE (INCLUDING NEUTRALIZING):** For larger spills, contain and pick-up. For small spills, wash area with water.

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

**HANDLING AND STORAGE REQUIREMENTS:** Store in cool, well ventilated, area away from strong oxidizers. Keep container closed when not in use.

**VENTILATION REQUIREMENTS (LOCAL OR GENERAL):** General ventilation is sufficient.

**RESPIRATORY PROTECTION:** Not normally necessary.

**EYE PROTECTION:** Not normally necessary. Safety glasses may be worn.

**OTHER PROTECTION:** Rubber gloves may be worn.

**WASTE DISPOSAL:** Review federal, provincial and local government requirements prior to disposal.

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**

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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