



# MATERIAL SAFETY DATA SHEET

Page 1 of 4

## SECTION 1 - COMPANY INFORMATION

### Super 7-1 Glass Cleaner

Product usage: Cleaner for glass and most hard surfaces by spray & wipe method.  
Product type: Water based organic chemical blend  
WHMIS Class: D2B, B-3.

TDG Class: Not Controlled

#### Supplier name and address:

Corporate Chemicals & Equipment  
7 Neilson Street  
St. Catharines, ON L2M 5V9  
(905) 682-8888

#### Manufacturer's name and address

Refer to Supplier



Emergency Telephone# CANUTEC (613) 996-6666

## SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS#	TOXICITY
2-Butoxyethanol (Ethylene Glycol Monobutyl Ether)	10 - 20	111-76-2	LD50 470 mg/kg oral, rat. LD50 220 mg/kg (dermal rbt) TLV 25 ppm skin, LC50 450 ppm/4hr rat
Isopropanol (Rubbing Alcohol) (Isopropyl Alcohol) (IPA)	10 - 20	67-63-0 LD50	(oral rats) 4.7 g/kg; TLV = 400 ppm LC50 (inhalation rat) 12000 ppm/8 hr.

## SECTION 3 - HAZARDS IDENTIFICATION

Effects of Acute Exposure to:

Skin: May cause skin irritation, defatting, chapping, dermatitis.

Eyes: Irritating and may cause corneal injury.

Ingestion: Accidental ingestion may cause burning pain in mouth, esophagus and stomach.

Inhalation: If misted, causes irritation of mucous membranes, coughing.

Other: On chronic skin exposure, pure 2-butoxyethanol may be absorbed causing blood changes as listed for pure chemical. Dilution within formulated product minimizes hazard.

## SECTION 4 - FIRST AID MEASURES

First Aid Procedures...

Skin: Remove contaminated clothing. Wash exposed areas with running water.

Call a physician if necessary.

Eyes: Flush with water running water for 20 minutes lifting the upper and lower eyelids occasionally. If irritation persists, get medical attention.

Ingestion: Do not induce vomiting. If victim is alert and not convulsing, give 1-2 glasses of water to dilute material. Immediately contact local poison control centre. Vomiting should be induced under the direction of a physician or a poison control centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Immediately transport victim to an emergency facility.

Inhalation: Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (cpr) if there is no is no breathing and no pulse.

Obtain medical attention immediately.

## SECTION 5 - FIRE FIGHTING MEASURES

Flash point: 45 Deg. C.

Flammability: Unknown

Combustion products: Oxides of carbon.

To Extinguish: Water fog, carbon dioxide, dry chemical

Other: None



## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Disposal method: Sanitary sewer or dry absorbent material. For large quantities, check with local environmental department, and government authorities.

## SECTION 7 - HANDLING AND STORAGE

As with all chemicals there are known and unknown effects on humans. Minimize exposure of all chemicals, including this product, to skin, respiratory system, and eyes. Keep out of reach of children. Avoid contamination of food. Wash thoroughly after handling. Store in cool dry area. Do not freeze.

## SECTION 8 - EXPOSURE CONTROLS & PROTECTIVE EQUIPMENT

Ventilation: Evaporation of solvent in product requires good fresh air ventilation.  
Breathing Protection: Suitable breathing mask if mists or vapours are present.  
Skin Protection: Optional: rubber gloves, rubber boots, barrier cream.  
Eye Protection: Safety glasses with side shields when there is potential for eye contact.  
Contact lenses should not be worn as product may lodge under lens.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear blue liquid	Density (g/ml): 0.9
pH as is: 9.5 to 10.5	Freezing point: -10 Deg. C.
pH use dilution: 9.5 to 10.5	Boiling Point: 85 Deg. C.
Solubility in water: Completely miscible	Evaporation Rate: Same as water.
Odour: Sweet alcohol - slight ammonia	Viscosity: As water.

## SECTION 10 - REACTIVITY & STABILITY DATA

Product is stable, no harmful reactivity to any common substance. Do not mix with products containing sodium hypochlorite or chlorine bleach. Hazardous polymerization will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

Potential acute health effects

Eyes Irritating to eyes.  
Skin Moderately irritating to the skin.  
Inhalation Moderately irritating to the respiratory system.  
Ingestion No known significant effects or critical hazards

Potential chronic health effects

Carcinogenic effects: No known significant effects or critical hazards  
Mutagenic effects No known significant effects or critical hazards.  
Teratogenic effects No known significant effects or critical hazards.  
Reproductive effects : No known significant effects or critical hazards.  
Sensitization to Product : No known significant effects or critical hazards.



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## TOXICOLOGICAL INFORMATION Cont./

Ingredient name	Test	Route	Result	Species
2-butoxyethanol	LD50	Dermal	230uL/kg	Guinea pig
	LD50	Oral	320 mg/kg	Rabbit
	LD50	Oral	250 mg/kg	Rat
LC50	Inhalation		2900 mg/m3	Rat
LC50 Inhalation 450 ppm Rat				
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt				
LD50 Oral 10 g/kg Rat				

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity**  
**BOD5 and COD**  
**Products of Biodegradation**

**Not Available**  
**Not Available**

**Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.**

**Ecotoxicity**  
**Ingredient name**

**Species**                      **Period**                      **Result**

2-butoxyethanol                      Fish                      96 hours      Acute LC50 1490 mg/L

## SECTION 13 - WASTE DISPOSAL

Disposal method: Flush contaminated area with plenty of water. Contaminated material should not be placed in original container. For large spills, check with local environmental department, and government authorities.

## SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

- UN Classification
- UN number
- Proper shipping name
- Class
- Packing group
- Additional information

See shipping documents for specific transportation information

## SECTION 15 - REGULATORY INFORMATION

All components are listed or exempted.  
 WHMIS : Class D-2B: Material causing other toxic effects (Toxic). Clas B-3 Flammabl  
 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.  
 Canada inventory



## SECTION 16 - OTHER INFORMATION

References: Suppliers Material Safety Data Sheets. Prepared by: Technical Dept.

**Preparation Date: May 1/2011**

NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)