

## Glass Cleaner Concentrate

### SECTION 1. IDENTIFICATION

**Product Identifier** Glass Cleaner Concentrate  
**Recommended Use** Glass and chrome cleaner.  
**Manufacturer** W.E. Greer Ltd., 14704 - 119 Avenue, Edmonton, AB, T5L 2P1, 780-451-1516, www.wegreer.com  
**Emergency Phone No.** CANUTEC, 1-888-226-8832, You can call \*666 on your cellular phone

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Acute toxicity (Oral) - Category 5; Acute toxicity (Dermal) - Category 5; Acute toxicity (Inhalation) - Category 5; Skin irritation - Category 2; Eye irritation - Category 2B; Specific target organ toxicity (single exposure) - Category 2; Specific target organ toxicity (repeated exposure) - Category 2

#### Label Elements



Signal Word:

Warning

May be harmful if swallowed, in contact with skin or if inhaled.

Causes skin and eye irritation.

May cause damage to organs (blood, eyes, kidneys, liver, respiratory system, skin) following skin contact.

Prevention:

Wear protective gloves.

Wear eye protection/face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

May cause respiratory irritation.

If exposed or concerned: Call a POISON CENTRE or doctor.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Call a POISON CENTRE or doctor.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
2-Butoxyethanol	111-76-2	38 - 42	
Sodium lauryl sulfate	68585-47-7	0.5 - 1	
Ethylene glycol	107-21-1	0.04 - 0.42	

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## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell. If breathing has stopped, trained personnel should begin rescue breathing.

#### Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. Get medical advice or attention if you feel unwell.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Immediately call a Poison Centre or doctor and follow their advice.

#### Ingestion

Do not induce vomiting. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam.

### Specific Hazards Arising from the Product

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide.

### Special Protective Equipment and Precautions for Fire-fighters

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Prevent entry into waterways, sewers, basements or confined spaces.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Do NOT eat, drink or store food in work areas. Wash hands thoroughly after handling this material. Avoid breathing in this product. Keep containers tightly closed when not in use or empty. Only use where there is adequate ventilation.

### Conditions for Safe Storage

Separate from incompatible materials (see Section 10: Stability and Reactivity).

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
2-Butoxyethanol	20 ppm A3		25 ppm			
Sodium lauryl sulfate	Not established		Not established			
Ethylene glycol			Not established	50 ppm		

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Where exposure guidelines may be exceeded: wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear blue liquid.
Odour	Ammonia-like
pH	9.68 - 10.32 (100)
Flash Point	> 95.0 °C (203.0 °F) (closed cup)
Relative Density (water = 1)	0.865 - 1.007

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

May react with strong oxidizing agents.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Do not mix with other chemicals.

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), organic acids (e.g. acetic acid), inorganic acids (e.g. hydrofluoric acid), strong acids (e.g. hydrochloric acid).

### Hazardous Decomposition Products

Chloride compounds. Very toxic carbon monoxide, carbon dioxide.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Eye contact; skin absorption; inhalation; ingestion.

### Acute Toxicity

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Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
2-Butoxyethanol	450 ppm (female rat) (4-hour exposure)		
Sodium lauryl sulfate	3900 mg/m3 (male rat)	1650 mg/kg (male rat)	580 mg/kg (rabbit)
Ethylene glycol	2725 mg/m3 (rat) (4-hour exposure)	4000 mg/kg (female rat)	9530 mg/kg (rabbit)

#### Skin Corrosion/Irritation

Animal tests show moderate or severe irritation.

#### Serious Eye Damage/Irritation

Causes serious eye irritation based on skin irritation information. Animal tests show serious eye irritation.

#### STOT (Specific Target Organ Toxicity) - Single Exposure

##### Inhalation

May cause nose and throat irritation.

##### Skin Absorption

Symptoms may include headache, nausea, dizziness, drowsiness and confusion.

##### Ingestion

Harmful Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

#### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
2-Butoxyethanol	Group 3	A3		

#### Reproductive Toxicity

##### Development of Offspring

Animal studies show effects on the offspring. Conclusions cannot be drawn from the limited studies available.  
Decreased weight, birth defects. (Ethylene glycol)

## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Sodium lauryl sulfate	15.1 mg/L (Gambusia holbrooki (Eastern Mosquitofish); 96-hour; salt water)	16.5 mg/L (Mysidopsis bahia (opossum shrimp); 96-hour; salt water; static)		

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	2810	Toxic liquid, organic ((Ethylene glycol monobutyl ether)	6.1	III

**Special Precautions** Not applicable

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Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

##### CEPA - National Pollutant Release Inventory (NPRI)

Part 1A, Part 5.

## SECTION 16. OTHER INFORMATION

### NFPA Rating

Health - 2    Flammability - 0    Instability - 0

### SDS Prepared By

W.E. Greer Ltd.

### Date of Preparation

January 06, 2017

### Disclaimer

Information contained herein 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 control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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