



# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

Product name Glass Cleaner

Product Code CRGC32/128

Date of issue 02/24/03

Supersedes

This product is not a registered pesticide.

Emergency Telephone Numbers For MSDS Information:  
Compliance Services (404) 352-1680

For a Medical Emergency:  
INFOTRAC  
(877) 541-2016 (Toll Free - Calls Recorded)

For a Transportation Emergency:  
CHEMTREC  
(800) 424-9300 (Toll Free - Calls Recorded)

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## Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol	67-63-0	1-10	ACGIH/OSHA (United States). TWA: 400 ppm STEL: 500 ppm
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	1-10	ACGIH TLV (United States). Skin TWA: 20 ppm Form: Vapor OSHA PEL (United States). Skin TWA: 25 ppm Form: Vapor

## Section 3. Hazards Identification

### Acute Effects

Routes of Entry Absorbed through skin. Inhalation.

**Skin** Slightly hazardous in case of skin contact (irritant, permeator). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Eyes** Hazardous in case of eye contact (irritant).

**Inhalation** Slightly hazardous in case of inhalation. May cause respiratory tract irritation.

**Ingestion** Ingestion may cause nausea, weakness and central nervous system effects.

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Chronic Effects** Shows evidence from animal experiments that exposure in excess of the occupational exposure limit can have harmful effects on the blood, kidneys and liver.

See Toxicological Information (section 11)

### HMIS

Health	1
Fire Hazard	2
Reactivity	0
Personal Protection	B

## Section 4. First Aid Measures

**Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

**Skin Contact** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Inhalation** If inhaled, remove to fresh air. Get medical attention if symptoms persist.

**Ingestion** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

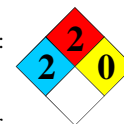
## Section 5. Fire Fighting Measures

**Flash Point** CLOSED CUP: 43°C (109.4°F). **Flammable Limits** The greatest known range is LOWER: 1.19% UPPER: 12.7%

**Flammability** Combustible Liquid.

**Fire Hazard** FLAMMABLE LIQUID AND VAPOR. Vapor may cause flash fire. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**Fire-Fighting Procedures** SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.



**Section 6. Accidental Release Measures**

**Spill Clean up** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**Section 7. Handling and Storage**

**Handling** Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

**Storage** Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

**Section 8. Exposure Controls, Personal Protection****Personal Protection**

**Eyes** Splash goggles.

**Body** Gloves: Protective gloves should be worn under normal conditions of use.

**Respiratory** A respirator is not needed under normal and intended conditions of product use.

**Protective Clothing (Pictograms)****Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Blue. (Light.)
<b>pH</b>	9.5-10.5	<b>Odor</b>	Pleasant.
<b>Boiling Point</b>	205F	<b>Vapor Pressure</b>	Not available.
<b>Specific Gravity</b>	0.97 (Water = 1)	<b>Vapor Density</b>	Not available.
<b>Solubility</b>	Not available.	<b>Evaporation Rate</b>	= 1.0 (Water)
		<b>VOC (Consumer)</b>	74 (g/l).

**Section 10. Stability and Reactivity**

**Stability and Reactivity** The product is stable.

**Incompatibility** None identified.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** Not available.

**Section 11. Toxicological Information**

**Toxicity to Animals** **ISOPROPYL ALCOHOL :**

ORAL (LD50): Acute: 5045 mg/kg [Rat].

**ETHYLENE GLYCOL MONOBUTYL ETHER :**

ORAL (LD50): Acute: 2417 mg/kg [Rat].

**Section 12. Ecological Information**

**Ecotoxicity** Not available.

**Biodegradable/OECD** Not available.

**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Waste Stream** Not available.

Consult your local or regional authorities.

**Section 14. Transport Information**

**Proper shipping name** Not regulated

**DOT Classification** -

**UN number** Not regulated.

**TDG Classification** 3

**Section 15. Regulatory Information**

**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting: Ethylene glycol monobutyl ether

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: Ethylene Glycol Monobutyl Ether

**State Regulations** California prop. 65: No products were found.

**WHMIS (Canada)** Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

Class D-2B: Material causing other toxic effects (TOXIC).

**Section 16. Other Information**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.