

ENFORCER Products  
 A Division of Acuity Specialty Products  
 Group, Inc.  
 P.O. Box 1060  
 Cartersville, GA 30120

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** Glass & Surface Cleaner

**Product Code** PVGC

**Date of issue** 11/30/06 **Supersedes**

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

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

**Printing Date:**

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 Atlanta, GA 30318

## 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	<b>ACGIH TLV (United States).</b> TWA: 200 ppm 8 hour(s). <b>OSHA PEL (United States).</b> TWA: 400 ppm 8 hour(s). <b>ACGIH/OSHA (United States).</b> STEL: 400 ppm 15 minute(s).
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	1 - 10	<b>ACGIH TLV (United States).</b> TWA: 20 ppm 8 hour(s). <b>OSHA PEL (United States). Skin</b> TWA: 50 ppm 8 hour(s).

## Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Dermal contact. Eye contact.

**Skin** May cause skin irritation. May be harmful if absorbed through skin. Skin inflammation is characterized by itching, scaling, or reddening.

**Eyes** Causes eye irritation. Inflammation of the eye is characterized by redness, watering, and itching.

**Inhalation** Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness.

**Ingestion** May be harmful if swallowed. Ingestion may cause nausea, weakness and central nervous system effects.

### HMIS

<b>Health</b>	<b>1</b>
<b>Fire Hazard</b>	<b>2</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

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

**Chronic Effects** Repeated or prolonged exposure to the substance can produce damage to blood, kidneys, liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

See Toxicological Information (section 11)

## Section 4. First Aid Measures

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

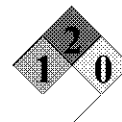
**Skin Contact** Rinse with plenty of running water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

**Inhalation** If inhaled, remove to fresh air. If irritation persists, get medical attention.

**Ingestion** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Closed cup: 43°C (110°F).	<b>Flammable Limits</b>	Not available.
<b>Flammability</b>	Combustible liquid and vapor.		
<b>Fire Hazard</b>	Vapor may cause flash fire.		
<b>Fire-Fighting Procedures</b>	Use DRY chemicals, CO <sub>2</sub> , water spray or foam. Fire-fighters should wear proper protective equipment.		

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Eliminate all ignition sources. Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
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**Section 7. Handling and Storage**

<b>Handling</b>	Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use with adequate ventilation. Do not ingest. Do not reuse product container. Wash thoroughly after handling.
<b>Storage</b>	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). Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection****Personal Protection****Protective Clothing (Pictograms)**

<b>Eyes</b>	Safety glasses.
<b>Body</b>	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. Use with adequate ventilation.

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Clear. Light Blue.
<b>pH</b>	9.5-10.5	<b>Odor</b>	Pleasant.
<b>Boiling Point</b>	96.1°C (205°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	0.97 (Water = 1)	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Soluble in cold water, hot water.	<b>Evaporation Rate</b>	1 compared to Water
		<b>VOC (Consumer)</b>	38 (g/l). 0.32 lbs/gal 3.95%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Slightly reactive to reactive with oxidizing agents, acids.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	carbon oxides (CO, CO <sub>2</sub> )

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Isopropyl Alcohol:</b>
	ORAL (LD50): Acute: 4700 mg/kg [Rat].
	DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].
	VAPOR (LC50): Acute: 22500 ppm 8 hour(s) [Rat (Male)]. 19000 ppm 8 hour(s) [Rat (Female)].
	<b>Ethylene Glycol Monobutyl Ether:</b>
	ORAL (LD50): Acute: 1746 mg/kg [Rat].
	DERMAL (LD50): Acute: 680 mg/kg [Rabbit].
	VAPOR (LC50): Acute: 450 ppm 4 hour(s) [Rat (Female)].

**Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not available.
<b>Biodegradable/OECD</b>	Not available.

**Section 13. Disposal Considerations**

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Waste Stream</b>	Non-hazardous waste
<b>Consult your local or regional authorities.</b>	

**Section 14. Transport Information**

<b>Proper shipping name</b>	None.
<b>DOT Classification</b>	Not a DOT controlled material (United States).
<b>UN number</b>	Not regulated.
<b>TDG Classification</b>	Not a TDG controlled material.

**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: No products were found.

All Components of this product are listed or exempt from listing on TSCA inventory.

**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.*