

# Safety Data Sheet

Issue Date: 01-Jul-2004

Revision Date: 22-Apr-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** BLUE GLASS CONCENTRATE

### Other means of identification

**SDS #** LBI-004

**Product Code** 415

### Recommended use of the chemical and restrictions on use

**Recommended Use** Glass cleaner.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Lawton Brothers, INC.  
2515 Dinneen Ave.  
P.O. Box 547635  
Orlando, FL 32854-7635  
Ph: 1-407-291-2501

### Emergency Telephone Number

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Light blue liquid

**Physical State** Liquid

**Odor** Slight alcohol

### Classification

Serious eye damage/eye irritation

Category 2

### Hazards Not Otherwise Classified (HNOC)

Causes mild skin irritation

### Signal Word

Warning

### Hazard Statements

Causes serious eye irritation



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Get medical advice / attention

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name                     | CAS No   | Weight-% |
|-----------------------------------|----------|----------|
| Isopropyl Alcohol                 | 67-63-0  | 10-20    |
| Propylene glycol monomethyl ether | 107-98-2 | 1-10     |
| Ethylene Glycol Monobutyl Ether   | 111-76-2 | 1-10     |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST-AID MEASURES****First Aid Measures**

|                       |  |
|-----------------------|--|
| <b>General Advice</b> | Provide this SDS to medical personnel for treatment.   |
| <b>Eye Contact</b>    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.                                  |
| <b>Skin Contact</b>   | Wash off immediately with soap and plenty of water. Seek medical attention if irritation persists.   |
| <b>Inhalation</b>     | Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.     |
| <b>Ingestion</b>      | Do not induce vomiting. Drink plenty of water or milk immediately. Never give anything by mouth to an unconscious person. Get medical attention immediately. |

**Most important symptoms and effects**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Exposed individuals may experience eye tearing, redness and discomfort. Causes mild skin irritation. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. |
|-----------------|---|

**Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Product is not flammable.

**Hazardous Combustion Products** Carbon oxides.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

- Personal Precautions** Use personal protective equipment as required.
- Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

- Methods for Containment** Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an absorbent material.
- Methods for Clean-Up** Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

- Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8.

**Conditions for safe storage, including any incompatibilities**

- Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.
- Incompatible Materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| Chemical Name                                 | ACGIH TLV                     | OSHA PEL  | NIOSH IDLH  |
|---|-------------------------------|---|---|
| Isopropyl Alcohol<br>67-63-0                  | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup> | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |
| Propylene glycol monomethyl ether<br>107-98-2 | STEL: 100 ppm<br>TWA: 50 ppm  | (vacated) TWA: 100 ppm<br>(vacated) TWA: 360 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 540 mg/m <sup>3</sup>  | TWA: 100 ppm<br>TWA: 360 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 540 mg/m <sup>3</sup>                    |
| Ethylene Glycol Monobutyl Ether<br>111-76-2   | TWA: 20 ppm                   | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 120 mg/m <sup>3</sup><br>(vacated) S*<br>S*  | IDLH: 700 ppm<br>TWA: 5 ppm<br>TWA: 24 mg/m <sup>3</sup>  |

**Appropriate engineering controls**

- Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Maintain eye wash fountain and quick-drench facilities in work area.

**Individual protection measures, such as personal protective equipment**

|                                       |  |
|---------------------------------------|--|
| <b>Eye/Face Protection</b>            | Chemical safety goggles/faceshield.  |
| <b>Skin and Body Protection</b>       | Rubber gloves recommended.   |
| <b>Respiratory Protection</b>         | Not required under normal conditions. If recommended levels are exceeded, respiratory protection must be selected to assure compliance with OSHA Standard 29CFR 1910.134.  |
| <b>General Hygiene Considerations</b> | Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse. |

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

|                                     |                     |                         |                |
|-------------------------------------|---------------------|-------------------------|----------------|
| <b>Physical State</b>               | Liquid              | <b>Odor</b>             | Slight alcohol |
| <b>Appearance</b>                   | Light blue liquid   | <b>Odor Threshold</b>   | Not determined |
| <b>Color</b>                        | Light blue          |                         |                |
| <b>Property</b>                     | <b>Values</b>       | <b>Remarks • Method</b> |                |
| <b>pH</b>                           | 4.6                 | @ 25 °C (77 °F)         |                |
| <b>Melting Point/Freezing Point</b> | < 0 °C / < 32 °F    |                         |                |
| <b>Boiling Point/Boiling Range</b>  | > 100 °C / > 212 °F |                         |                |
| <b>Flash Point</b>                  | Not Flammable       |                         |                |
| <b>Evaporation Rate</b>             | Slower than water   |                         |                |
| <b>Flammability (Solid, Gas)</b>    | Not determined      |                         |                |
| <b>Upper Flammability Limits</b>    | Not determined      |                         |                |
| <b>Lower Flammability Limit</b>     | Not determined      |                         |                |
| <b>Vapor Pressure</b>               | Not determined      |                         |                |
| <b>Vapor Density</b>                | Not determined      |                         |                |
| <b>Specific Gravity</b>             | 0.980               |                         |                |
| <b>Water Solubility</b>             | Completely soluble  |                         |                |
| <b>Solubility in other solvents</b> | Not determined      |                         |                |
| <b>Partition Coefficient</b>        | Not determined      |                         |                |
| <b>Auto-ignition Temperature</b>    | Not determined      |                         |                |
| <b>Decomposition Temperature</b>    | Not determined      |                         |                |
| <b>Kinematic Viscosity</b>          | Not determined      |                         |                |
| <b>Dynamic Viscosity</b>            | water thin          |                         |                |
| <b>Explosive Properties</b>         | Not determined      |                         |                |
| <b>Oxidizing Properties</b>         | Not determined      |                         |                |

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Incompatible Materials.

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

|                     |                                    |
|---------------------|------------------------------------|
| <b>Eye Contact</b>  | Causes serious eye irritation.     |
| <b>Skin Contact</b> | Causes mild skin irritation.       |
| <b>Inhalation</b>   | May cause irritation if inhaled.   |
| <b>Ingestion</b>    | May cause discomfort if swallowed. |

**Component Information**

| Chemical Name                                 | Oral LD50            | Dermal LD50             | Inhalation LC50                       |
|---|----------------------|-------------------------|---------------------------------------|
| Isopropyl Alcohol<br>67-63-0                  | = 1870 mg/kg ( Rat ) | = 4059 mg/kg ( Rabbit ) | = 72600 mg/m <sup>3</sup> ( Rat ) 4 h |
| Propylene glycol monomethyl ether<br>107-98-2 | = 5000 mg/kg ( Rat ) | = 13 g/kg ( Rabbit )    | > 6 mg/L ( Rat ) 4 h                  |
| Ethylene Glycol Monobutyl Ether<br>111-76-2   | = 470 mg/kg ( Rat )  | = 99 mg/kg ( Rabbit )   | = 450 ppm ( Rat ) 4 h                 |

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

| Chemical Name                               | ACGIH | IARC    | NTP | OSHA |
|---|-------|---------|-----|------|
| Isopropyl Alcohol<br>67-63-0                |       | Group 3 |     | X    |
| Ethylene Glycol Monobutyl Ether<br>111-76-2 | A3    | Group 3 |     |      |

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**  
A3 - Animal Carcinogen  
**IARC (International Agency for Research on Cancer)**  
Group 3 IARC components are "not classifiable as human carcinogens"

**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### Component Information

| Chemical Name                                 | Algae/aquatic plants   | Fish  | Toxicity to microorganisms | Crustacea   |
|---|--|---|----------------------------|---|
| Isopropyl Alcohol<br>67-63-0                  | 1000: 96 h Desmodesmus subspicatus mg/L EC50<br>1000: 72 h Desmodesmus subspicatus mg/L EC50 | 9640: 96 h Pimephales promelas mg/L LC50<br>flow-through 1400000: 96 h Lepomis macrochirus µg/L LC50 11130: 96 h Pimephales promelas mg/L LC50 static |                            | 13299: 48 h Daphnia magna mg/L EC50   |
| Propylene glycol monomethyl ether<br>107-98-2 |  | 20.8: 96 h Pimephales promelas g/L LC50 static<br>4600 - 10000: 96 h Leuciscus idus mg/L LC50 static  |                            | 23300: 48 h Daphnia magna mg/L EC50   |
| Ethylene Glycol Monobutyl Ether<br>111-76-2   |  | 1490: 96 h Lepomis macrochirus mg/L LC50 static<br>2950: 96 h Lepomis macrochirus mg/L LC50   |                            | 1000: 48 h Daphnia magna mg/L EC50<br>1698 - 1940: 24 h Daphnia magna mg/L EC50 |

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

| Chemical Name                                 | Partition Coefficient |
|---|-----------------------|
| Isopropyl Alcohol<br>67-63-0                  | 0.05                  |
| Propylene glycol monomethyl ether<br>107-98-2 | -0.437                |
| Ethylene Glycol Monobutyl Ether<br>111-76-2   | 0.81                  |

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

| Chemical Name                | California Hazardous Waste Status |
|------------------------------|-----------------------------------|
| Isopropyl Alcohol<br>67-63-0 | Toxic<br>Ignitable                |

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**15. REGULATORY INFORMATION****International Inventories**

| Chemical Name                     | TSCA    | DSL | NDSL | EINECS  | ELINCS | ENCS    | IECSC | KECL    | PICCS | AICS |
|-----------------------------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Isopropyl Alcohol                 | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| Propylene glycol monomethyl ether | Present | X   |      | Present |        | Present | X     | Present | X     | X    |
| Ethylene Glycol Monobutyl Ether   | Present | X   |      | Present |        | Present | X     | Present | X     | X    |

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                              | CAS No   | Weight-% | SARA 313 - Threshold Values % |
|--|----------|----------|-------------------------------|
| Isopropyl Alcohol - 67-63-0                | 67-63-0  | 10-20    | 1.0                           |
| Ethylene Glycol Monobutyl Ether - 111-76-2 | 111-76-2 | 1-10     | 1.0                           |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name                                 | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Isopropyl Alcohol<br>67-63-0                  | X          | X             | X            |
| Propylene glycol monomethyl ether<br>107-98-2 | X          | X             | X            |
| Ethylene Glycol Monobutyl Ether<br>111-76-2   | X          | X             | X            |

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards****HMIS**

Not determined

Not determined

Not determined

Not determined

**Health Hazards****Flammability****Physical Hazards****Personal Protection**

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Not determined

**Issue Date:**

01-Jul-2004

**Revision Date:**

22-Apr-2015

**Revision Note:**

New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**