

# Safety Data Sheet

Issue Date 28-May-2015

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Version 1.0

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Glass Cleaner

### Other Means of Identification

**Product Code** 7220-65T

### Recommended use of the Chemical and Restrictions on Use

**Recommended Use** Multi-Surface cleaner. For industrial use.

### Details of the Supplier of the Safety Data Sheet

Osceola Supply  
PO Box 13503  
Tallahassee, FL 32317

### Emergency Telephone Number

**Company Phone Number** Phone: 1-850-580-9800  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Blue

**Physical State** Liquid

**Odor** None

### Classification

|                                   |                           |
|-----------------------------------|---------------------------|
| Serious eye damage/eye irritation | Category 2 Sub-category A |
| Flammable Liquids                 | Category 3                |

### Signal Word

Warning

### Hazard Statements

Causes serious eye irritation.  
Flammable liquid and vapor.



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.  
Keep container tightly closed and away from heat/sparks/open flames/hot surfaces. — No smoking.  
Ground/bond container and receiving equipment, taking precautionary measures against static discharge.  
Use only non-sparking tools and explosion-proof equipment.  
Wear protective gloves/protective clothing/eye protection/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.  
If eye irritation persists: Get medical advice/attention.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction.

### Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.

### Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, regional, or national regulations.

### Other Hazards

None known.

**Unknown Acute Toxicity**

None known.

**Product AT USE DILUTION****GHS Classification:** Not classified.**Signal Word:** No signal word.**Hazard Statements:** No known significant effects or critical hazards.**Prevention:** Wash thoroughly after handling.**Response:** Get medical attention if symptoms appear.**Disposal:** No other specific measures identified.**Other Hazards:** None known.**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name                   | CAS No                  | Weight-% |
|---------------------------------|-------------------------|----------|
| Water                           | 7732-18-5               | 60-100   |
| Isopropyl Alcohol               | 67-63-0                 | 10-30    |
| Ethylene Glycol n-Butyl Ether   | 111-76-2                | 10-30    |
| Alkyl Polyglycoside Surfactants | 68515-73-1/ 110615-47-9 | 3-7      |
| Alkyl Sulfate                   | 68479-94-4              | 3-7      |
| Tetrasodium EDTA                | 64-02-8                 | 1-5      |

\*\*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.\*\*

**Product AT USE DILUTION****No hazardous ingredients in reportable quantities are present in the product.****4. FIRST-AID MEASURES****First Aid Measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention. |
| <b>Skin Contact</b> | May be irritating to skin. Rinse with soap and water. Get medical advice/attention if rash or irritation persists.                                 |
| <b>Inhalation</b>   | If breathing becomes difficult, remove victim to fresh air. If discomfort persists, get medical advice/attention.                                  |
| <b>Ingestion</b>    | Immediately drink plenty of water. If any discomfort persists, get medical attention.  |

**Most Important Symptoms and Effects**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. Prolonged or repeated skin contact may cause irritation. |
|-----------------|---|

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

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

**Product AT USE DILUTION****Eye Contact:** May cause eye irritation. Rinse with water for a few minutes.**Skin Contact:** No known effect. Rinse with water for a few minutes.**Inhalation:** No special measures required. Treat symptomatically.**Ingestion:** Get medical attention if symptoms occur.**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Dry chemical. Alcohol resistant foam.

**Unsuitable Extinguishing Media**

Not determined.

**Specific Hazards Arising from the Chemical**

Flammable.

**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** Avoid release to the environment.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Collect spillage. Collect in a clean, dry waste container for disposal. After cleaning, flush away traces with water.

**Product AT USE DILUTION**

**Personal Precautions:** Use personal protective equipment as required.

**Environmental Precautions:** Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

**Methods for Clean Up:** Use a water rinse for a final clean-up.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Advice on Safe Handling** Wash thoroughly after handling. Use personal protection recommended in Section 8. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Avoid contact with eyes. Observe good industrial hygiene practices.

**Conditions for Safe Storage, Including Any Incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Keep out of the reach of children.

**Incompatible Materials** None known.

**Product AT USE DILUTION**

**Handling and Storage:** Wash thoroughly after handling. Keep out of reach of children.

## 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> |
| Ethylene Glycol n-Butyl 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**                      Ventilation systems.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection**                      No protective equipment is needed under normal use conditions.

**Skin and Body Protection**                      None required under normal use.

**Respiratory Protection**                      No protective equipment is needed under normal use conditions.

**General Hygiene Considerations**                      Handle in accordance with good industrial hygiene and safety practice.

**Product AT USE DILUTION**

**Engineering Controls:** Good general room ventilation should be adequate.

**Eye Protection:** No protective equipment needed under normal use conditions.

**Skin and Body Protection:** No protective equipment needed under normal use conditions.

**Respiratory Protection:** No protective equipment is needed under normal use conditions.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties**

|                       |        |                       |                |
|-----------------------|--------|-----------------------|----------------|
| <b>Physical State</b> | Liquid | <b>Odor</b>           | None           |
| <b>Appearance</b>     | Clear  | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Blue   |                       |                |

| <b><u>Property</u></b>              | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b> |
|-------------------------------------|----------------------|--------------------------------|
| <b>pH</b>                           | 11.0-11.5            |                                |
| <b>Melting Point/Freezing Point</b> | ~ 0 °C / ~32 °F      |                                |
| <b>Boiling Point/Boiling Range</b>  | 32 °C / 89.6 °F      |                                |
| <b>Flash Point</b>                  | Not determined       | Tag Open Cup                   |
| <b>Evaporation Rate</b>             | Not determined       |                                |
| <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>             | 1.00                 |                                |
| <b>Water Solubility</b>             | Completely soluble   | @ 25 °C (77 °F)                |
| <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>            | Not determined       |                                |
| <b>Explosive Properties</b>         | Not determined       |                                |
| <b>Oxidizing Properties</b>         | Not determined       |                                |

**Product AT USE DILUTION**

Physical State: Liquid  
 Color: Light blue  
 Odor: None  
 pH: 10.0-10.5

**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**

Keep out of reach of children. Keep away from heat, flames, and sparks. Keep from freezing.

**Incompatible Materials**

Avoid strong acids, alkalis, and oxidizing agents.

**Hazardous Decomposition Products**

Thermal decomposition may produce carbon monoxide and other unidentified organic compounds.

**11. TOXICOLOGICAL INFORMATION****Information on Likely Routes of Exposure****Product Information**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Causes eye irritation.   |
| <b>Skin Contact</b> | Prolonged contact may cause redness and irritation.  |
| <b>Inhalation</b>   | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| <b>Ingestion</b>    | Do not taste or swallow.   |

**Component Information**

| Chemical Name  | Oral LD50           | Dermal LD50                                    | Inhalation LC50                                  |
|--|---------------------|--|--|
| Isopropyl Alcohol<br>67-63-0                               | = 4396mg/kg (Rat)   | = 12800mg/kg (Rat)<br>= 12870 mg/kg (Rabbit)   | = 72.6mg/L (Rat) 4 h                             |
| Ethylene Glycol n-Butyl Ether<br>111-76-2                  | = 470 mg/kg ( Rat ) | = 2270 mg/kg ( Rat )<br>= 220 mg/kg ( Rabbit ) | = 2.21 mg/L ( Rat ) 4 h<br>= 450 ppm ( Rat ) 4 h |
| Alkyl Polyglycoside Surfactants<br>68515-73-1/ 110615-47-9 | > 5000 mg/kg (Rat)  | -  | -  |
| Tetrasodium EDTA<br>64-02-8                                | = 10 g/kg ( Rat )   | -  | -  |

**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** Not classifiable as a human carcinogen.

| Chemical Name                | ACGIH | IARC    | NTP | OSHA |
|------------------------------|-------|---------|-----|------|
| Isopropyl Alcohol<br>67-63-0 |       | Group 3 |     | X    |

|   |    |         |  |  |
|---|----|---------|--|--|
| Ethylene Glycol n-Butyl Ether<br>111-76-2 | A3 | Group 3 |  |  |
|---|----|---------|--|--|

**Legend**

CGIH (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"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Numerical Measures of Toxicity**

Not determined

**Unknown Acute Toxicity**

None known.

**Product AT USE DILUTION**

No specific data available.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxic to aquatic life with long lasting effects.

| Chemical Name                             | Algae/aquatic plants   | Fish  | Toxicity to microorganisms | Crustacea  |
|---|--|---|----------------------------|--|
| Isopropyl Alcohol<br>67-63-0              | 1000: 96 h<br>Desmodesmus<br>subspicatus mg/L EC50<br>1000: 72 h<br>Desmodesmus<br>subspicatus mg/L EC50 | 9640: 96 h Pimephales<br>promelas mg/L LC50 flow-<br>through 11130: 96 h<br>Pimephales promelas mg/L<br>LC50 static 1400000: 96 h<br>Lepomis macrochirus µg/L<br>LC50 | -                          | 13299: 48 h Daphnia magna<br>mg/L EC50   |
| Ethylene Glycol n-Butyl Ether<br>111-76-2 | -  | 1490: 96 h Lepomis<br>macrochirus mg/L LC50<br>static 2950: 96 h Lepomis<br>macrochirus mg/L LC50   | -                          | 1698 - 1940: 24 h Daphnia<br>magna mg/L EC50 1000: 48 h<br>Daphnia magna mg/L EC50 |
| Tetrasodium EDTA<br>64-02-8               | 1.01: 72 h<br>Desmodesmus<br>subspicatus mg/L EC50   | 41: 96 h Lepomis<br>macrochirus mg/L LC50<br>static 59.8: 96 h Pimephales<br>promelas mg/L LC50 static  | -                          | 610: 24 h Daphnia magna<br>mg/L EC50   |

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

| Chemical Name                             | Partition Coefficient |
|---|-----------------------|
| Isopropyl Alcohol<br>67-63-0              | 0.05                  |
| Ethylene Glycol n-Butyl 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 when shipped in containers less than 119 gallons

**IATA****IMDG****Marine Pollutant**

This material may meet the definition of a marine pollutant

**Product AT USE DILUTION**

Not intended for transport.

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

Not determined

**US Federal Regulations****SARA 311/312 Hazard Categories****Acute Health Hazard**

Yes

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following chemical 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<br>% |
|-------------------------------|----------|----------|----------------------------------|
| Ethylene Glycol n-Butyl Ether | 111-76-2 | 3-7      | 1.0                              |

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

| Chemical Name                             | State List |
|---|------------|
| Isopropyl Alcohol<br>67-63-0              | MA, NJ, PA |
| Ethylene Glycol n-Butyl Ether<br>111-76-2 | MA, NJ, PA |

AZ – Arizona Ambient Air Quality Guidelines  
 CT – Connecticut Hazardous Air Pollutants  
 CA – California Director's List of Hazardous Substances  
 CAP65 – California Prop 65  
 FL – Florida Substances List  
 ID – Idaho Non-Carcinogen Toxic Air Pollutants

IL – Illinois Toxic Air Contaminant- Carcinogenic  
 MA – Massachusetts Right to Know List  
 MN – Minnesota Hazardous Substances List  
 NJ – New Jersey Right to Know List  
 PA – Pennsylvania Right to Know List  
 RI – Rhode Island Hazardous Substances List

**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**

2

2

0

Not determined

**Product AT USE DILUTION**

Health Hazard: 1

Flammability: 0

Physical Hazards: 0

Personal Protection: Not determined

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Revision Note

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**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.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

\*Denotes changes from last version.

**End of Safety Data Sheet**