KRYSRSTAL CLEAR GLASS CLEANER, Bulk
SAFETY DATA SHEET
SECTION 1: IDENTIFICATION

Product: Krystal Clear Glass Cleaner, bulk

Manufacturer/ Supplier: Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131

Phone: 847-455-2300
Toll Free: 800 991-1106
Web: antiseize.com

Emergency Phone Number: Infotrac 24/7 Phone: 1-800-535-5053 (US & Canada)
or 352-323-3500 (International)
Restriction on Use: None known

SDS Date of Preparation: June 5, 2015

SECTION 2: HAZARDS IDENTIFICATION

Classification:
Skin irritation - Category 2
Eye irritation - Category 2

Pictograms:

Signal Word:
Warning

Hazardous Statements
H315—Causes skin irritation
H319—Causes serious eye irritation

Precautionary Statements:
P101—If medical advice if needed, have product container or label at hand.
P102—Keep out of reach of children.
P103—Read label before use.
P251 Avoid breathing mist/spray
P262 Do not get in eyes, on skin

Precautionary Statements: Prevention
P264—Wash thoroughly after handling.
P280—Wear protective gloves/ clothing/ eye and face protection.

Precautionary Statements: Response
P305+P351+P338—IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
present and easy to do. Continue rinsing.
P337+P318—If eye irritation persists: get medical advice/attention.
P302+P352—IF ON SKIN: Wash with plenty of soap and water
P332+P313—If skin irritation occurs: Get medical advice/attention.
P362+P364—Take off contaminated clothing, wash before reuse.

Precautionary Statements: Storage
P404 Store in a closed container

Precautionary Statements: Disposal
P501—Dispose of contents and container in accordance with all local, regional, national, and international regulations.

Section 3- Composition/ Information on Ingredients

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>CAS NUMBER</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATER</td>
<td>7732-18-5</td>
<td>59-100</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL MONOBUTYL ETHER</td>
<td>111-76-2</td>
<td>2-3</td>
</tr>
<tr>
<td>EHTYL ALCOHOL</td>
<td>64-17-5</td>
<td>1-2</td>
</tr>
</tbody>
</table>

The specific identity and/or exact percentage of composition has been withheld as a trade secret

Section 4 – First Aid Measures

Eye: Flush eyes with water, holding the eyelids apart. Get medical attention if irritation develops or persists. Remove contact lenses if it is easy to do so.

Skin: Wash thoroughly with plenty of water. Get medical attention if irritation persists. Store contaminated clothing under water, and wash thoroughly before reuse.

Inhalation: Remove to fresh air and keep comfortable for breathing. If irritation occurs, get medical attention. Eliminate all sources of ignition.

Ingestion: Rinse mouth, do NOT induce vomiting. Call a POISON CENTER. Do not give anything to an unconscious person by mouth.

Most Important symptoms and effects, both acute and delayed: None known.

Indication of any immediate medical attention and special treatment needed: Immediate medical attention required if swallowed.

Section 5 – Fire Fighting Measures

Suitable and Unsuitable Extinguishing Media: Use water spray or fog, carbon dioxide or dry chemical. Use caution when using carbon dioxide in confined spaces. Do not use water spray and foam on the same surface, as water destroys the foam.

Special Hazards Arising from the Chemical: If containers are exposed to extreme heat they may rupture with violent force. In fire contents may decompose to form carbon dioxide and carbon monoxide.
**Special Equipment and Precautions for Fire-Fighters:** Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

**Section 6 – Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear appropriate personal protective equipment. Use caution: slip hazard. Keep all unnecessary personnel away, eliminate all sources of ignition, do not touch spilled material unless in proper protective equipment.

**Environmental Hazards:** Report spills and releases as required to appropriate authorities. Do not allow spills to enter sewers, storm drains, waterways, and other bodies of water. Use sand, earth or other appropriate barriers to contain spill.

**Methods and Material for Containment and Cleaning Up:** Collect liquid spill with an inert absorbent material and place into a suitable container for disposal. Dispose of materials in accordance with all local, state, national, and international regulations.

**Section 7 – Handling and Storage**

**Precautions for Safe Handling:** For industrial use only, for use by trained personnel only, keep away from children. Wash hands after use. Avoid contact with eyes. Avoid breathing vapors and mists. Use with adequate ventilation. Do not smoke while using. Eyewash stations should be available in areas where this material is used and or stored.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, well-ventilated area at temperatures below 120°F. Protect against physical damage.

**Section 8 – Exposure Controls / Personal Protection**

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL</td>
<td>1000 ppm OSHA TWA</td>
</tr>
<tr>
<td></td>
<td>1000 ppm NIOSH TWA</td>
</tr>
<tr>
<td></td>
<td>1000 ppm ACGIH STEL</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL MONOBUTYL ETHER</td>
<td>50 ppm OSHA TWA</td>
</tr>
<tr>
<td></td>
<td>5 ppm NIOSH TWA</td>
</tr>
<tr>
<td></td>
<td>20 ppm ACGIH TWA</td>
</tr>
</tbody>
</table>

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the exposure limits. If the product is used at high temperatures or in confined spaces, local exhaust ventilation may be required.

**Individual Protection Measures:**

**Respiratory Protection:** In operations where the occupational exposure limits are exceeded, a NIOSH approved respirator with organic vapor/particulate cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**Skin Protection:** Impervious gloves such as rubber or nitrile recommended where needed to avoid prolonged skin contact, along with long sleeved shirts and pants to minimize exposed skin.

**Eye Protection:** Safety glasses or goggles recommended where needed to avoid eye contact.
Section 9 – Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Blue Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not established</td>
</tr>
<tr>
<td>pH</td>
<td>10</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>212°F</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;185 °F</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Slower than ether</td>
</tr>
<tr>
<td>VOC Content</td>
<td>9.994%</td>
</tr>
<tr>
<td>Vapor Density (air = 1)</td>
<td>Slower than ether</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.9</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Not soluble</td>
</tr>
<tr>
<td>Octanol/Water Partition Coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion Properties</td>
<td>None</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not oxidizing</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>LEL: Not established</td>
</tr>
<tr>
<td></td>
<td>UEL: Not established</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not established</td>
</tr>
<tr>
<td>Aerosol Fire Protection Level</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable</td>
</tr>
</tbody>
</table>

Section 10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Use with strong oxidizing chemicals such as concentrated acids and high temperatures.

Incompatible Materials: Not Known

Hazardous Decomposition Products: The thermal decomposition products are highly dependent upon the combustion conditions. In fire, contents will decompose to carbon dioxide and carbon monoxide.

Section 11 – Toxicological Information

Long term Toxicological studies have not been performed on this product.

Section 12 – Ecological Information

Long term Ecotoxicity studies have not been performed on this product.
Section 13 – Disposal Consideration

Waste disposal: Dispose of in a responsible manner. Follow local, state and federal guidelines. Do not discharge into sewers or waterways. Do not pressurize, cut, weld, glaze, or use containers and contents for any other purposes.

Section 14- Transport Information

DOT
Proper Shipping Name: Not Regulated
DOT Hazard Class: 
UN Number: 

IMDG
Proper Shipping Name: Not Regulated
DOT Hazard Class: 
UN Number: 

ICAO/IATA
Proper Shipping Name: Not regulated
DOT Hazard Class: 
UN Number: 

Section 15 – Regulatory Information

CERCLA Hazardous Substances Section 103: Ethylene Glycol Monobutyl Ether
SARA Hazard Category 312 Title III: Ethyl Alcohol, Propane, Isobutane, Butane, Ethylene Glycol Monobutyl Ether
SARA Hazard Category 313 Title III: Ethylene Glycol Monobutyl Ether
EPA TSCA Inventory: All components

Section 16 – Other Information:

The information contained herein is based on data considered accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of this product. Therefore, because the product may be used under conditions beyond our control, we assume no liability for its use.