elements Ready To Clean Non-Ammoniated Glass Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: elements Ready To Clean Non-Ammoniated Glass Cleaner
GENERAL USE: Glass cleaner
PRODUCT DESCRIPTION: Non-Ammoniated Glass Cleaner
PRODUCT CODE: R02
CHEMICAL FAMILY: Alcohol/detergent blend

MANUFACTURER
MISCO Products Corporation
1048 Stinson Drive
Reading, PA 19605
Emergency Phone: 610-926-4106
Customer Service: 800-548-4568
Transportation: 800-548-4568

24 HR. EMERGENCY TELEPHONE NUMBERS
CHEM-TEL (Medical and Transportation): 800-255-3924
POISON CONTROL CENTER (Medical): 800-222-1222

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS
This product is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS).

GHS LABEL
HAZARD STATEMENTS
PRECAUTIONARY STATEMENT(S)
Response:
P314: Get medical advice/attention if you feel unwell.

Storage:
P404: Store in a closed container.

Disposal:
P501: Dispose of contents/container in accordance with local, state and federal regulations.

EMERGENCY OVERVIEW
PHYSICAL APPEARANCE: Light blue
IMMEDIATE CONCERNS: No known significant effects or critical hazards.

POTENTIAL HEALTH EFFECTS
EYES: Contact may cause mild eye irritation.
SKIN: No known significant effects or critical hazards.
SKIN ABSORPTION: No known significant effects or critical hazards.
INGESTION: No known significant effects or critical hazards.
INHALATION: No known significant effects or critical hazards.

REPRODUCTIVE TOXICITY
TERATOGENIC EFFECTS: None known.
CARCINOGENICITY: No listed substance
MUTAGENICITY: None known.
ROUTES OF ENTRY: No known significant effects or critical hazards.
CANCER STATEMENT: No listed substance
3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
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<tbody>
<tr>
<td>Isopropanol</td>
<td>0 - 3</td>
<td>67-63-0</td>
</tr>
<tr>
<td>Fragrance</td>
<td>0 - 1</td>
<td>N/A</td>
</tr>
<tr>
<td>Dye</td>
<td>&lt; 0.1</td>
<td>N/A</td>
</tr>
<tr>
<td>Water</td>
<td>95 - 98</td>
<td>7732-18-5</td>
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</table>

4. FIRST AID MEASURES

**EYES:** Rinse with plenty of water

**SKIN:** Rinse with plenty of water.

**INGESTION:** Rinse mouth. Get medical attention if you feel un-well.

**INHALATION:** Seek medical attention if you feel un-well.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

- **EYES:** Slight discomfort with redness, watering eyes.
- **SKIN:** No known significant effects or critical hazards.
- **INGESTION:** No known significant effects or critical hazards.
- **INHALATION:** No known significant effects or critical hazards.
- **ACUTE TOXICITY:** None known.
- **CHRONIC EFFECTS:** No known significant effects or critical hazards.

5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** NA = Not Applicable

**EXTINGUISHING MEDIA:** No special requirements.

**EXPLOSION HAZARDS:** None

**FIRE FIGHTING PROCEDURES:** NA = Not Applicable

6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

**ENVIRONMENTAL PRECAUTIONS**

- **WATER SPILL:** No known significant effects or critical hazards.
- **LAND SPILL:** No known significant effects or critical hazards.
- **AIR SPILL:** NA = Not Applicable

7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** No special requirements.

**STORAGE:** Store in closed container in an area inaccessible to children.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL ppm</th>
<th>OSHA PEL mg/m³</th>
<th>ACGIH TLV ppm</th>
<th>ACGIH TLV mg/m³</th>
<th>Supplier OEL ppm</th>
<th>Supplier OEL mg/m³</th>
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</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>TWA</td>
<td>400</td>
<td>980</td>
<td>200</td>
<td>490</td>
<td>NL</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td></td>
<td>400</td>
<td>960</td>
<td>NL</td>
<td>NL</td>
</tr>
</tbody>
</table>

ENGINEERING CONTROLS: No special requirements.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields.

SKIN: No special requirements.

RESPIRATORY: No special requirements.

PROTECTIVE CLOTHING: NA = Not Applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Lavender

ODOR THRESHOLD: Not Established

COLOR: Light blue

pH: 10.5 to 11.5

PERCENT VOLATILE: >98

FLASH POINT AND METHOD: None

FLAMMABLE LIMITS: N/A

AUTOIGNITION TEMPERATURE: NA = Not Applicable

VAPOR PRESSURE: ~ 20 mm Hg at (68°F)

VAPOR DENSITY: > 1 Air = 1

BOILING POINT: 212° F; 100° C

FREEZING POINT: 32° F; 0° C

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: (Water =1) 1.0

DENSITY: 8.26 at (68°F)

SPECIFIC GRAVITY: 0.99 grams/ml.

VISCOITY: Water thin.

(VOC): 2.800 % by weight

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under normal storage and use conditions.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

INCOMPATIBLE MATERIALS: None known.
### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ORAL LD&lt;sub&gt;50&lt;/sub&gt; (rat)</th>
<th>DERMAL LD&lt;sub&gt;50&lt;/sub&gt; (rabbit)</th>
<th>INHALATION LC&lt;sub&gt;50&lt;/sub&gt; (rat)</th>
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</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>5045 mg/kg (rat)</td>
<td>12800 mg/kg (rabbit)</td>
<td>16000 ppm</td>
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</tbody>
</table>

**EYES:** Not Established  
**DERMAL LD<sub>50</sub>**: No known significant effects or critical hazards.  
**SKIN ABSORPTION:** No known significant effects or critical hazards.  
**INHALATION LC<sub>50</sub>**: No known significant effects or critical hazards.  
**EYE EFFECTS:** No known significant effects or critical hazards.  
**SKIN EFFECTS:** No known significant effects or critical hazards.  
**CHRONIC:** No known significant effects or critical hazards.  
**IRRITATION:** Not Established  
**SENSITIZATION:** No known significant effects or critical hazards.  
**NEUROTOXICITY:** No known significant effects or critical hazards.  
**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.  
**MUTAGENICITY:** No known significant effects or critical hazards.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No known significant effects or critical hazards.  
**ECOTOXICOLOGICAL INFORMATION:** Not Established  
**AQUATIC TOXICITY (ACUTE):** No known significant effects or critical hazards.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts (less than 5 gallons) may be disposed of in sanitary sewer. Consult local authorities for additional disposal information.  
**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.  
**PRODUCT DISPOSAL:** See above.  
**EMPTY CONTAINER:** Offer container for recycling, or dispose of in trash.  
**RCRA/EPA WASTE INFORMATION:** NA = Not Applicable

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**  
**PROPER SHIPPING NAME:** Cleaning Compound, not regulated.  
**U.S. CUSTOMS HARMONIZATION NUMBER:** 3402.90.10.00

### 15. REGULATORY INFORMATION

**UNITED STATES**  
**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**  
311/312 HAZARD CATEGORIES: NA = Not Applicable  
**FIRE:** No  
**PRESSURE GENERATING:** No  
**REACTIVITY:** No  
**ACUTE:** No  
**CHRONIC:** No  
**313 REPORTABLE INGREDIENTS:** None  
**302/304 EMERGENCY PLANNING**  
**EMERGENCY PLAN:** NA = Not Applicable
CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: NA = Not Applicable

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All ingredients are listed on the TSCA Chemical Inventory.

STATES WITH SPECIAL REQUIREMENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Requirements</th>
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<tbody>
<tr>
<td>Isopropanol</td>
<td>Massachusetts Right to Know Substance</td>
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<tr>
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<td>New Jersey Right To Know Substance</td>
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<tr>
<td></td>
<td>Pennsylvania Right to Know Substance</td>
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</table>

CALIFORNIA PROPOSITION 65: No listed substance

CARCINOGEN: No listed substance

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department

HMIS RATING

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>A</td>
</tr>
</tbody>
</table>

NFPA CODES

MANUFACTURER DISCLAIMER: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.