Section 2. Hazards Identification

**Emergency Overview**

**WARNING**

**Health Hazards**
- Skin Corrosion/Irritation: Category 2
- Serious eye damage/eye irritation: Category 2A

**Precautionary Statements:**
- P264: Wash hands thoroughly after handling
- P280: Wear protective gloves and eye protection
- P302+P352: IF ON SKIN: Wash with plenty of cool water
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P332+P313: IF skin irritation occurs: Get medical advice/attention
- P337+P313: IF eye irritation persists: Get medical advice/attention
- P362: Remove all contaminated clothing and wash before reuse

**Hazard Statements:**
- H315: Causes skin irritation
- H319: Causes serious eye irritation

**Routes of Entry**: Dermal, Oral, and Inhalation

**Acute Effects:**
- Eyes: Causes eye irritation, redness and dryness
- Skin: May cause mild skin irritation
- Inhalation: May cause irritation to the nose, throat and lungs
- Ingestion: May cause slight nausea, and diarrhea

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Name of Hazardous Ingredients</th>
<th>CAS Number</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate</td>
<td>10213-79-3</td>
<td>&lt;3</td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>&lt;5</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures
Eye Contact  
Flush with water for at least 15 minutes. Seek medical attention if discomfort persists.

Skin Contact  
Wash skin with water.

Inhalation  
Remove to fresh air.

Ingestion  
Do not induce vomiting. Give several glasses of water. Never give anything to an unconscious person orally. Seek immediate medical attention.

Section 5. Fire Fighting Measures

Hazardous Combustion Products  
Not combustible

Extinguishing Media  
Media applicable to surrounding fire

Unsuitable Extinguishing Media  
N/A

Fire Fighting Procedures  
Wear protective gear. Use water spray to cool fire-exposed containers.

Section 6. Accidental Release Measures

Spill Clean Up  
All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.

Section 7. Handling and Storage

Handling and Storage  
Keep container tightly closed when not in use. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Exposure Limits</th>
<th>OSHA PEL</th>
<th>NIOSH REL</th>
<th>AIHA WEEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol (111-76-2)</td>
<td>50ppm</td>
<td>5ppm</td>
<td>20ppm</td>
<td></td>
</tr>
</tbody>
</table>

Engineering Controls  
Not required

Personal Protective Equipment (PPE)

| Eyes | Safety glasses or chemical splash goggles |
| Body | Rubber or neoprene gloves |
| Respiratory | Not required |

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
<th>Explosive Limits</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Clear</td>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic odor</td>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>N/A</td>
<td>Relative Density</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>12.0</td>
<td>Solubility</td>
<td>Complete</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>N/A</td>
<td>Partition Coefficient</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
<td>Auto-Ignition Temp.</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not combustible</td>
<td>Decomposition Temp.</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non-Flammable</td>
<td>Specific Gravity</td>
<td>1.025</td>
</tr>
</tbody>
</table>

Section 10. Stability and Reactivity
Stability and Reactivity

Stable

Incompatibility

Strong oxidizers and strong acids

Hazardous Polymerization

Will not occur

Hazardous Decomposition Products

N/A

Conditions to Avoid

N/A

Section 11. Toxicological Information

Routes of Entry

Dermal, oral and inhalation

Symptoms

Slight eye irritation

Skin Irritant

Yes

Eye Irritant

Yes

Sensitizers

Not determined

Mutagenicity

No information found

Carcinogenicity

2-butoxyethanol: IARC Group 3 (not classifiable as a human carcinogen)

Reproductive Toxicity

No information found

Target Organs

None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

<table>
<thead>
<tr>
<th>Test</th>
<th>Results</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>6,467mg/kg</td>
<td>ATE determined beyond Category 4</td>
</tr>
<tr>
<td>Oral</td>
<td>7,327mg/kg</td>
<td>ATE determined beyond Category 4</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No data</td>
<td></td>
</tr>
</tbody>
</table>

Section 12. Ecological Information

Environmental Effects

No ecological information available

Section 13. Disposal Considerations

Waste Information

Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN number</th>
<th>Proper Shipping Name</th>
<th>Classes</th>
<th>Packaging Group</th>
<th>Label Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>Not regulated</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information
US Federal Regulations

The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313:

2-butoxyethanol 111-76-2 <5%

The following substances have CERCLA reportable quantity values (in pounds):
None

State Regulations
None

Section 16. Other Information

Last Revision 10/18/2016

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.