Section 1: Product Identification
Product Name: Aluminum Hot Vat Cleaner
Product No: 880
Recommended Use: Cleaning aluminum, zinc, etc.

Section 2: Hazard Identification
Hazard Class: Corrosive Mixture
Signal Word: Danger
Hazard Category(ies): Eye Damage/Irritation – Category 1; Skin Corrosion/Irritation – Category 1A
Acute Toxicity – Oral – Category 4
Hazard Statement(s): Causes serious eye damage; Causes severe skin burns and eye damage; Harmful if swallowed

Precautionary Statements:
Prevention: Do not breathe dust or mists: Wash hands thoroughly after handling: Do not eat, drink or smoke when using this product: Wear protective rubber gloves and chemical splash goggles or face shield when using this product: If inhalable particles of dusts or mists may occur during use, wear NIOSH approved respiratory protection: Mix ONLY with water.
Response: If swallowed: Rinse out mouth: Do NOT induce vomiting: Immediately call a Poison Control Center or doctor for treatment advice: If in eyes: Rinse cautiously with water for several minutes: Remove contact lenses, if present and easy to do: Continue rinsing: Immediately call a Poison Control Center or doctor for treatment advice: If on skin (or hair): Take off immediately all contaminated clothing: Rinse skin with water: Wash contaminated clothing before reuse: Immediately call a Poison Control Center or doctor for treatment advice:
If inhaled: Remove person to fresh air and keep comfortable for breathing: Immediately call a Poison Control Center or doctor for treatment advice:

Section 3: Composition/Information on Ingredients
Product Type: Mixture

<table>
<thead>
<tr>
<th>Hazardous Ingredient Name (common name(s))</th>
<th>CAS Number</th>
<th>Concentration Range (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium Trioxosilicate</td>
<td>6834-92-0</td>
<td>50-70</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures
If swallowed: Rinse out mouth: Do NOT induce vomiting: Immediately call a Poison Control Center or doctor for treatment advice:
If in eyes: Rinse cautiously with water for several minutes: Remove contact lenses, if present and easy to do: Continue rinsing: Immediately call a Poison Control Center or doctor for treatment advice:

Section 5: Fire-Fighting Measures
Suitable Fire Extinguishing Media: Use water spray, fog or foam: Specific Hazards: None known
Decomposition Byproducts: Carbon dioxide, carbon monoxide and/or metal oxides
Special Protective Equipment: Self-contained breathing apparatus
Specific Precautions: Remove all persons from the vicinity: No responsive action should be taken without proper training:

Section 6: Accidental Release Measures
Personal Precautions: Initiate spill containment procedures immediately using containment or absorption methods: Keep people away from area: Put on appropriate protective equipment (see Section 8):
Spill Cleanup: Do not allow spilled material to enter sewers, waterways or soil: Neutralize with water: Mop, sweep or otherwise collect spilled material and hold for disposal: Consult local government authorities for allowable disposal methods: After removal, rinse area completely with water to remove residue:

Section 7: Handling and Storage
Handling Precautions: Avoid contact with eyes, skin or clothing: Avoid inhalation of dust or mists: Use in a well ventilated area: Wash thoroughly after handling: Do not eat, drink or smoke when using this product:
Storage Precautions: Store in a locked location inaccessible to small children: Keep container closed when not in use: Store in a well ventilated area between 60-100°F (15-38°C):

Section 8: Exposure Controls/Personal Protection
Personal Protective Equipment: The following protective equipment is recommended during usage:
Section 9: Physical and Chemical Properties

**Physical State:** Light Brown Powder  ** Odor:** Characteristic  ** pH (1% solution):** >11.5  ** Melt Point:** NA  ** Freeze Point:** NA  
**Boiling Point:** No Data  ** Flash Point:** NA  ** Evaporation Rate (H₂O = 1-O):** NA  
**Flammability:** NA  
**Explosion Limits:** NA  ** Vapor Pressure:** No Data  ** Vapor Density (Air =1-O):** NA  ** Relative Density:** >1.0  
**Solubility (in 120°F Water):** 100%  ** Viscosity (H₂O =1-O):** NA  ** Partition coefficient: n-octanol/water:** No data available  
**Auto Ignition Temperature:** No data available  ** Decomposition Temperature:** No data available

Section 10: Stability and Reactivity

**Stability:** Product is stable under normal storage and usage conditions.  
**Reactivity:** Product is not reactive under normal storage and usage conditions. Mix this product ONLY with water.  
**Incompatibilities:** Acid, metals.  
**Hazardous Decomposition Byproducts:** None are expected under normal storage and usage conditions.

Section 11: Toxicological Information

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation  
**Symptoms:** Eye contact: Irritation, pain, redness, watering; Skin contact: Irritation, pain, redness, blistering; Inhalation: Coughing, choking, respiratory tract irritation, breathing difficulty; Ingestion: Pain in mouth, throat, stomach.  
**Acute Effects of Exposure:** Serious burns to eyes, skin, mouth, throat, stomach and respiratory tract.  
**Toxicity Data:** Disodium Trioxosilicate: Oral (LD₅₀) 1,280 mg/kg (rat)  
**Chronic Effects of Exposure:** No known significant effects or critical hazards.  
**Carcinogen Listing Source:** NA

Section 12: Ecological Information

**Ecotoxicity:** No specific data available for this mixture. Disodium Trioxosilicate is known to be moderately toxic to aquatic life.

Section 13: Disposal Considerations

Avoid disposal of this product: Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

Section 14: Transport Information

**DOT Proper Shipping Name:** UN 3262, Corrosive Solid, Basic, Inorganic, N.O.S., 8, PG III (Contains Disodium Trioxosilicate)  
**Note:** Certain package sizes of this product may qualify for exceptions to DOT’s packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

Section 15: Regulatory Information

**Regulation Listing**
- TSCA §8(b) Inventory: All Ingredients Listed  
- SARA Title III §301-303 Extremely Hazardous Substances: None  
- SARA Title III §304 Reportable Quantity (RQ) Release Notification Chemicals: None  
- SARA Title III §311-312 Right-To-Know Hazardous Chemicals: Disodium Trioxosilicate  
- SARA Title III §311-312 Right-To-Know Extremely Hazardous Substances: None  
- SARA Title III §313 Form R Reportable Chemicals: None

Section 16: Other Information

**Date of Last Revision:** May 1, 2015

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.