MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION
Product Name: ELECTROLYTE CAS number: N/A - mixture
Chemical Name & Synonyms: N/A - mixture
Appearance: Light yellow liquid with a slightly sulfurous odor
Use: Room temperature tin-plating electrolyte
Distributed By: The Easthill Group dba/ The Eastwood Company
263 Shoemaker Road, Pottstown, PA 19464
USA & Canada: 800-345-1178 Outside USA: 610-323-2200
EMERGENCY PHONE No. CALL CHEMTREC (800) 424-9300 * Available 24 Hours

II. CHEMICAL COMPOSITION

<table>
<thead>
<tr>
<th>Material</th>
<th>SARA III</th>
<th>CAS Number</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>1 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stannous Sulfate</td>
<td>7488-55-3</td>
<td>2 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Aminophenol-4-Sulfonic Acid</td>
<td>98-37-3</td>
<td>N/E</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Others, if any, are non-hazardous and are claimed as trade secret.

Hazard Rating: HMIS: (H =3  F=0  R=3  PE=C)  NFPA: (H=3  F=0  R=3)

III. POTENTIAL HEALTH EFFECTS AND HEALTH HAZARD DATA

Target organ statement: DANGER: Causes burns to skin, eyes and respiratory system.
Effects of Chronic Exposure: Contact burns, irritation to skin (scarring), eyes and respiratory system. Inorganic tin may cause a benign pneumoconiosis (stannous).
Effects of Acute Overexposure

Swallowing: Can cause damage to digestive system. Corrosive to mucous membranes.
Skin Absorption/Contact: Destruction of tissue may result from direct chemical reaction with tissue, from thermal burns and from dehydration (removal of water) of the tissue. Dermatitis.
Inhalation: Vapors of sulfuric acid can be harmful. Irritant to respiratory system.
Eye Contact: Irritation of eyes, tearing, burns of eye surfaces, corrosive permanent damage.

IV. EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Do NOT induce vomiting. Give large quantities of water. Call a physician. Do NOT neutralize the acid. Never give anything by mouth to an unconscious person.
Inhalation: If inhaled, remove to fresh air immediately and have patient lie down if breathing is difficult. Call a physician.
Eyes/Skin: IMMEDIATELY (within seconds) flush eyes or skin with plenty of water. Promptly get medical help – apply compresses of iced water if there is a delay before medical treatment.

V. FIRE AND EXPLOSION DATA

Flashpoint (°F): N/A
Flammable limits in air LOWER: N/A  UPPER: N/A
Extinguishing media: Water, fog, foam
Special firefighting method: Wear SCBA if fumes or mists are present
Unusual fire and explosion hazards: Neutralize run-off with lime, soda ash, etc. Hydrogen gas formation is possible.

VI. REACTIVITY INFORMATION

Stability considerations/Conditions to avoid: Stable / Water, organic materials (potential violent reaction, heat)
Hazardous polymerization/Conditions to avoid: Will not occur / None
Incompatibility/Conditions to avoid: Alkaline solutions, metals. Strong oxidizing, reducing or combustible organic materials.
Hazardous combustion or Decomposition products: Hazardous gases may be generated on contact with cyanides, sulfides and carbides.

VII. SPILL AND LEAK RESPONSE

Steps to be taken if material is released or spilled: Soak up small spills with sand, clay or distomoeceous earth. Neutralize large spills with lime or soda ash and transfer to a waste water treatment system.
Waste disposal method: Cleaned-up material may be a RCRA hazardous waste on...
VIII. SPECIAL PROTECTION EQUIPMENT
Respiratory protection: Use in a well ventilated work area.
Ventilation: Maintain airflow away from user to remove all fumes and vapors, so that the PEL is never exceeded.
Protective gloves: Chemical and acid impervious
Eye protection: Chemical tight safety goggles. Do NOT wear contact lenses.
Other protective equipment: Review operations to avoid contact with hazardous gas, liquids or solids. See also: 29 CFR 1910.132 – 29 CFR 1910.140 Personal Protective Equipment

IX. STORAGE, HANDLING AND SPECIAL PRECAUTIONS
Precautions to be taken in handling and storage: Keep out of sun and away from heat, sparks and flame. Loosen closure carefully.
Other precautions: Do not wash out container or use it for other purposes; replace closure after each withdrawal.

X. PHYSICAL AND CHEMICAL PROPERTIES
Boiling Point (°F @ 760 mmHg): > 212
Specific gravity (H₂O = 1 @ 72°F): 1.210
Solubility in water: Complete
Evaporation rate (butyl acetate = 1): > 1

XI. OPTIONAL INFORMATION
Department of Transportation: Domestic Ground
Proper shipping name: Corrosive Liquid, N.O.S.
Hazard Class: 8
ID & Packing Group Number: UN 1760, PG III
ERG Guide Number: 154
Toxic Substance Control Act: All components of this compound are listed within the TSCA inventory.
Hazard Communication Program: Hazardous warnings and training requirements as mandated for corrosive liquids.
SARA Title III Program Section 313 Supplier Notification. This product contains the following toxic chemicals:

<table>
<thead>
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<th>Concentration</th>
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<tr>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>&lt; 20%</td>
</tr>
</tbody>
</table>

State Right-to-Know Programs
Pennsylvania: This product contains the following chemicals listed in PA Code Title 34, Hazardous Substance List: Sulfuric Acid
California: This product contains the following compounds subject to the reporting and labeling requirements of Proposition 65: None

NOTES: NA=Not Applicable  NE=Not Established  H=Health  F=Fire  R=Reactivity  PE=Personal Equipment

While we believe all information presented herein is accurate and reliable, the data are not to be taken as a guarantee or representation of any kind for which Force Industries assumes legal responsibility. They are offered solely for your consideration, investigation, and verification.