SECTION 1 - IDENTIFICATION

PRODUCT (TRADE) NAME: Ionic Strength Adjustor (Fluoride, TISAB-1)

CHEMICAL FAMILY: Salt Solution

SUPPLIER: OMEGA ENGINEERING INC.
PO BOX 4047
STAMFORD, CT 06907

DATE PREPARED: 7/29/93

TELEPHONE: (203) 359-1660

SUPERSDES:

SHIPPING NAME (UN NUMBER PER TRANSPORTATION AUTHORITY):
DOT/IATA: Testing per NACE (TM-01-69) has shown this product to be non-corrosive.

SECTION 2 - INGREDIENTS

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>%</th>
<th>Chemical Name(s)</th>
<th>LD50 (mg/kg) oral-rat</th>
<th>OSHA/PEL ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-19-7</td>
<td>1.4%</td>
<td>Acetic Acid</td>
<td>1200</td>
<td>25 mg/m³</td>
</tr>
<tr>
<td>127-09-3</td>
<td>8.2%</td>
<td>Sodium Acetate</td>
<td>1300</td>
<td>none</td>
</tr>
<tr>
<td>7647-14-5</td>
<td>5.8%</td>
<td>Sodium Chloride</td>
<td>8000</td>
<td>none</td>
</tr>
<tr>
<td>25637-70-1</td>
<td>0.4%</td>
<td>Trans-1,2-Diamino Cyclohexane</td>
<td>150</td>
<td>none</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>84.2%</td>
<td>Tetra-acetic Acid (CDTA)</td>
<td></td>
<td>none</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Water</td>
<td></td>
<td>none</td>
</tr>
</tbody>
</table>

SECTION 3 - PHYSICAL DATA

Boiling Point: 100°C
Specific Gravity: 1.07
Vapor Pressure: N/A
Freezing Point: -6°C
Vapor Density: N/A
pH: 5 - 5.5
Water Solubility: Soluble
Appearance & Odor: Colorless liquid, vinegar like odor

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

Flashpoint: Not flammable
Autoignition Temperature: N/A
Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam or mist
Special Fire Fighting Procedures: Use self contained breathing apparatus.
Unusual Fire & Explosion Hazards: N/A

SECTION 5 - HEALTH HAZARD DATA

Effects of Overexposure: Irritation of respiratory tract, upset stomach or nausea, irritation of eyes, nose, and throat.

Emergency & First Aid: Wash off contact area with water.
SECTION 5 - HEALTH HAZARD DATA (CONT'D)

Eyes & Skin: Irrigate with plenty of water.

Ingestion/Inhalation: Dilute with large amounts of water. Do not induce vomiting. Consult physician.

SECTION 6 - REACTIVITY DATA

Stable: Yes
Conditions to Avoid: Strong oxidizers (HNO₃, Chromic Acid, Sodium Peroxide). Contact with strong caustics can cause spattering.

Hazardous Decomposition Products: Toxic gases such as carbon monoxide may be released during a fire.

Hazardous Polymerization: Will not occur.

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be Taken: Vacuum up and set aside for waste disposal.

Waste Disposal Method: Dilute neutralized solution down drain with excess water. Observe all federal state, and local laws when disposing of this solution.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: N/A
Ventilation: Yes
Protective Gloves: Any
Eye Protection: Safety goggles
Other Protective Equipment: —

SECTION 9 - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storage: Keep away from oxidizers and caustics. Keep well sealed and store at room temperature. Acetic acid is a CERCLA hazard and is subject to Section 304 of SARA Title III.

Other Precautions: Always wash hands thoroughly with soap and water after working with this material. NFPA Rating (0-4): Health-1, Fire-1, Reactivity-0, Specific-none.

The information contained herein is based upon data considered true and accurate. However, OMEGA makes no warranties, express or implied, as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for the user's consideration, investigation and verification. Since the use and conditions of use of this information and the material described herein are not within the control of OMEGA, OMEGA assumes no responsibility for injury to the user or third persons. The material described herein is sold only pursuant to OMEGA’s Terms and Conditions of Sale, including those limiting warranties and remedies contained therein. It is the responsibility of the user to determine whether any use of this data and information is in accordance with applicable federal, state or local laws and regulations.

© 1993 OMEGA ENGINEERING, INC. ALL RIGHTS RESERVED.