MATERIAL SAFETY DATA SHEET

SECTION I: GENERAL INFORMATION
PRODUCT NAME: 188 8790-82 (1000 ppm Fluoride Standard)
MANUFACTURER'S NAME: Omega Engineering
DISTRIBUTED BY: Omega Engineering
ADDRESS: One Omega Drive Stamford, CT 06907-0047
PHONE: 800/826-6342 FAX: 203/359-7770

CHEMICAL NAME: Sodium Fluoride in Water
CHEMICAL FAMILY: salt solution
DOT SHIPPIING INFO: N/A
IATA SHIPPING INFO: N/A

SECTION II: INGREDIENTS

<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>%</th>
<th>CHEMICAL NAME(S)</th>
<th>LD50(mg/kg)</th>
<th>OSHA/PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>7681-49-4</td>
<td>0.2%</td>
<td>Sodium Fluoride</td>
<td>75</td>
<td>none</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>99.8%</td>
<td>Water</td>
<td>-</td>
<td>none</td>
</tr>
</tbody>
</table>

SECTION III: PHYSICAL DATA

BOILING POINT: 100°C
SPECIFIC GRAVITY: 1.0
VAPOR PRESSURE: N/A
FREEZING POINT: 0°C
VAPOR DENSITY: N/A
pH: 5.5-7.5
WATER SOLUBILITY: Soluble
APPEARANCE & ODOR: Clear, colorless, odorless solution

SECTION IV: FIRE & EXPLOSION HAZARD DATA

FLASHPOINT: Not flammable
AUTOIGNITION TEMPERATURE: N/A
EXTINGUIHNG MEDIA: any
SPECIAL FIRE FIGHTING PROCEDURES: N/A
UNUSUAL FIRE & EXPLOSION HAZARDS: N/A
SECTION V: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Because of low concentration of salt (less than 1%), this product does not pose a serious acute or chronic hazard via skin or inhalation routes. Ingestion: In large doses (25-50 mg) may cause nausea, vomiting, diarrhea and CNS manifestation.

EMERGENCY & FIRST AID: Flush with water.
EYES & SKIN: Flush off with large amounts of water.
INGESTION/INHALATION: Consult physician.

SECTION VI: REACTIVITY DATA

STABLE: yes
CONDITIONS TO AVOID: none
INCOMPATIBILITY: none
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes if heated to decomposition.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN: Cover with soda ash and neutralize with 6M HCl. Wash down drain with excess water. Observe all state, federal, and local laws.
WASTE DISPOSAL METHOD: See above

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N/A
VENTILATION: N/A
PROTECTIVE GLOVES: Vinyl or rubber
EYE PROTECTION: Safety goggles
OTHER PROTECTIVE EQUIPMENT: N/A

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Suitable for all general storage.
OTHER PRECAUTIONS: Keep closure well sealed to protect product integrity.

ISSUE DATE: 6-20-76

NAME: Joel Sims / Chemist
SIGNATURE: [Signature]