MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

PRODUCT (TRADE) NAME: ION Selective Electrode Standardizing Solution (0.1 M Fluoride Standard)

CHEMICAL FAMILY: Sodium Fluoride in Water

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

DATE PREPARED: 7/29/93
SUPERSEDES:

TELEPHONE: (203) 359-1660

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>7681-49-4</td>
<td>&lt; 1.0</td>
<td>Sodium Fluoride</td>
<td>75</td>
<td>none</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>&lt;99.0</td>
<td>Water</td>
<td>—</td>
<td>none</td>
</tr>
</tbody>
</table>

SECTION 3 - 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 4 - FIRE & EXPLOSION HAZARD DATA

Flashpoint: Not flammable
Autoignition Temperature: N/A
Extinguishing Media: Any
Special Fire Fighting Procedures: N/A
Unusual Fire & Explosion Hazards: N/A

SECTION 5 - 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 6 - 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 7 - 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 8 - 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 9 - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storage: Suitable for all general storage.

Other Precautions: Keep closure well sealed to protect product integrity.