

**MATERIAL SAFETY DATA SHEET**

MSDS-0186
ISE-8790-S1
REV. DATE: 8/10/93

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

CAS No.	%	Chemical Name(s)	LD50 (mg/kg) oral-rat	OSHA/PEL ACGIH TLV
7681-49-4	< 1.0	Sodium Fluoride	75	none
7732-18-5	<99.0	Water	—	none

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 CNA manifestation.

Emergency & First Aid: Flush with water.

Eyes & Skin: Flush off with large amounts of water.

Ingestion/Inhalation: Consult physician.



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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.

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