

MATERIAL SAFETY DATA SHEET

SECTION I: GENERAL INFORMATION

PRODUCT NAME: ISE 8790-S2 (1000 ppm Fluoride Standard)
MANUFACTURE'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 SHIPPING INFO: N/A
IATA SHIPPING INFO: N/A

SECTION II: INGREDIENTS

CAS NO.	%	CHEMICAL NAME(S)	LD50 (mg/kg) oral-rat	OSHA/ PEL ACGIH TLV
7681-49-4	0.2%	Sodium Fluoride	75	none
7732-18-5	99.8%	Water	-	none

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
EXTINGUISHING 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.

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