



MATERIAL SAFETY DATA SHEET

Product:**037158 Fluoride Standard (1000 mg/L), 100 mL**

DIONEX Corporation
1228 Titan Way
P.O. Box 3603
Sunnyvale, California 94088-3603

Emergency Phone: 1-800-424-9300 (CHEMTREC)
Information Phone: (408) 737-0700
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(Max Ebenhahn)

The following information is believed to be accurate and is currently the best information available to us. However, we make no warranties, express or implied, with respect to the information supplied and we assume no liability resulting from its use.

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Water	Sodium Fluoride
PERCENT (%)	99.78%	0.22%
CAS NO.	7732-18-5	7681-49-4
EINECS NO.	231-791-2	231-667-8
RISKS		R22, R23, R35
SAFETY		S22, S26, S36/37/39, S45

3. HAZARDOUS IDENTIFICATION

HAZARD CLASS	None	NFPA	HMIS
Eyes:	None	HEALTH 0	0
Skin:	None	FLAMMABILITY 0	0
Ingestion:	None	REACTIVITY 0	0
Inhalation:	None	NFPA SPECIAL -	-
		HMIS PPE	



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4. FIRST AID MEASURES

- GENERAL:** Remove contaminated clothing, wash thoroughly before reuse.
- EYES:** Flush with water for at least 15 minutes occasionally raising upper and lower eyelids.
- SKIN:** Remove contaminated clothing and flush with water thoroughly
- INHALATION:** Move to fresh air
- INGESTION:** If large amounts are swallowed, get medical help immediately. If patient is conscious, give large quantities of water

5. FIRE FIGHTING MEASURES

UNUSUAL FIRE AND EXPLOSION:

HAZARDS:

- EXTINGUISHING MEDIA:** Carbon Dioxide, Foam, Dry Chemical
(Note: Carbon Dioxide is one of the decomposition products)

- SPECIAL FIRE FIGHTING PROCEDURES:** Although the product is not combustible, firefighters subject to products of combustion should wear full-protective clothing including self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

- Ventilate area.
Wear appropriate protective clothing and eye protection.
Contain spill.
Collect or absorb with an inert material (vermiculite, dry sand, earth, etc.)
Mop up and store in a suitable waste container.
Wash contaminated areas with soap and water.

7. HANDLING AND STORAGE

- Ensure good ventilation.
Have an eye wash in the immediate area in case of emergency.
Store at room temperature
Keep container tightly closed
Use good laboratory practice when working with any chemical whether it is considered hazardous or not.



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8. EXPOSURE CONTROL/PERSONAL PROTECTION

ROUTES OF ENTRY

INHALATION: Yes

SKIN: Yes

INGESTION: Yes

HEALTH HAZARDS

ACUTE: May cause irritation of eyes and mucous membranes

CHRONIC: Unknown

VENTILATION

LOCAL EXHAUST: Good laboratory ventilation is acceptable.

MECHANICAL (GENERAL): Use in hoods if possible

SPECIAL: None

OTHER: None

PROTECTIVE CLOTHING OR EQUIPMENT

GLOVES: Disposable laboratory gloves are adequate

EYE PROTECTION: Glasses or goggles.

RESPIRATORY: None

OTHER: Labcoats

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear

ODOR: None

pH:

MOLECULAR WEIGHT: N/A (mixture)

MELTING POINT: approximately 0 degree C

BOILING POINT: approximately 100 degrees C

AUTOIGNITION TEMPERATURE:

FLASH POINT: Nonflammable - 99.78 % Water

LOWER EXPLOSION LIMIT: Undetermined

UPPER EXPLOSION LIMIT: Undetermined

SPECIFIC GRAVITY: approximately 1



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10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Water-reactive materials

HAZARDOUS DECOMPOSITION OR None

BY-PRODUCTS:

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGY INFORMATION

PRODUCT TOXICOLOGY INFORMATION:

SYMPTOMS AND May cause minor soreness or redness of eyes or mucous membranes.

SIGNS OF EXPOSURE:

MEDICAL CONDITIONS Unknown
GENERALLY AGGRAVATED BY
EXPOSURE:

EMERGENCY AND FIRST AID In case of contact, wash skin with copious amounts of water.
PROCEDURES: Flush eyes with copious amounts of water for at least 15 minutes.
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Submit to medical examination.

CARCINOGENICITY: No data found

RTECS #: No data found

ACGIH TLV TWA: No data found

OSHA PEL: No data found

NTP: No data found

IARC Monographs: No data found

HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

Hazardous Components:	Water	Sodium Fluoride
RTECS #	ZC0110000	WB0350000
OSHA PEL	Not Found	2.5 PPM F
ACGIH TLV	Not Found	2.5 MG F/M3; 9192
TOXICITY DATA	None	ORL-HMN LDLO: 75 MG/KG
	None	SKN-MUS LDLO: 300 MG/KG
TSCA	Yes	Not Found



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12. ECOLOGICAL INFORMATION

No information is found on environmental toxicity for this solution

13. DISPOSAL CONSIDERATIONS

Contact local hazardous materials or chemical waste disposal agency for regulations.

14. TRANSPORT INFORMATION

IATA CLASSIFICATION: Not Regulated

UN ID NUMBER: —
PROPER SHIPPING NAME: —
CLASS OR DIVISION: —
SUB RISK: —
HAZARD LABEL(S): —
PACKAGING GROUP: —
LIMITED QUANTITY PKG INSTRUCTION: —
MAXIMUM LIMITED QUANTITY: —
SPECIAL PROVISIONS: —
ERG CODE: —
TRAINING: —
VARIATIONS: —

15. REGULATORY INFORMATION

PRODUCT RISK STATEMENTS: R25 Toxic if swallowed
R32 Contact with acids liberates very toxic gas
R36 Irritating to the eyes
R38 Irritating to the skin
PRODUCT SAFETY STATEMENTS: S22 Do not breathe dust
S36 Wear suitable protective clothing
S45 In case of accident or if you feel unwell, seek medical advice immediately

16. OTHER INFORMATION