



# MATERIAL SAFETY DATA SHEET

**Product:****056497 Nitrate Standard (100 mL bottle) (1,000 mg/L concentration)**

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  
 Date Prepared: 3/12/2009

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. HAZARDOUS IDENTIFICATION**

HAZARD CLASS	Mild Irritant		NFPA	HMIS
<b>Eyes:</b>	Mild Irritant	<b>HEALTH</b>	0	0
<b>Skin:</b>	Mild Irritant	<b>FLAMMABILITY</b>	0	0
<b>Ingestion:</b>	Mild Irritant	<b>REACTIVITY</b>	0	0
<b>Inhalation:</b>	Mild Irritant	<b>NFPA SPECIAL HMIS PPE</b>	-	-

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS COMPONENTS	Dionized Water	Nitrate *
PERCENT (%)	99.86	0.14
CAS NO.	7732-18-5	7631-99-4
EINECS NO.	231-791-2	231-554-3
RISKS		R20/21/22, R36/37/38
SAFETY		S20, S26, S36/37/39

\* As Sodium Salt

**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:** Not Applicable
- HAZARDS:** None
- EXTINGUISHING MEDIA:** Not Applicable
- SPECIAL FIRE FIGHTING** Although the product is not combustible, firefighters subject to products of combustion



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**PROCEDURES:** 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.

## 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:** Lab Coats

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear  
**ODOR:** None  
**pH:** Neutral  
**MOLECULAR WEIGHT:** 85.01 (Sodium Nitrate)  
**MELTING POINT:** Not Applicable  
**BOILING POINT:** Approximately 100 degrees C  
**AUTOIGNITION TEMPERATURE:** Not Applicable  
**FLASH POINT:** Not Applicable  
**LOWER EXPLOSION LIMIT:** Not Applicable  
**UPPER EXPLOSION LIMIT:** Not Applicable



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**SPECIFIC GRAVITY:** Approximately 1

## 10. STABILITY & REACTIVITY

**STABILITY/CONDITIONS TO AVOID:** Stable

**INCOMPATIBILITY (MATERIALS TO AVOID):** Water-reactive materials

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Toxic oxides of nitrogen

**HAZARDOUS POLYMERIZATION:** Will not occur

## 11. TOXICOLOGY INFORMATION

### PRODUCT TOXICOLOGY INFORMATION:

**SYMPTOMS AND SIGNS OF EXPOSURE:** May cause minor soreness or redness of eyes or mucous membranes.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Unknown

**EMERGENCY AND FIRST AID PROCEDURES:** In case of contact, wash skin with copious amounts of water.  
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:	Deionized Water	Sodium Nitrate
<b>RTECS #</b>	ZC0110000	WC5600000
<b>OSHA PEL</b>	Not Found	Not Found
<b>ACGIH TLV</b>	Not Found	Not Found
<b>TOXICITY DATA</b>	None	ORL-HUMAN WOMAN TDLO: 14 MG/KG ORL-HUMAN CHILD LDLO: 22,500 UG/KG

## 12. ECOLOGICAL INFORMATION

No information is found on environmental toxicity for this solution



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## 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:** R36/37/38: Irritating to eyes, respiratory system and skin.  
**PRODUCT SAFETY STATEMENTS:** S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S27: Take off immediately all contaminated clothing.  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S46: If swallowed seek medical advice immediately and show this container or label.

## 16. OTHER INFORMATION