



# MATERIAL SAFETY DATA SHEET

**053560 AS14 Eluent Concentrate; Sodium Carbonate/Bicarbonate Concentrate, 250 mL, (100x)**  
**(0.35 M Carbonate /0.1 M Bicarbonate)**

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: 2/3/2009

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>	2	2
<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</b>		
		<b>HMIS PPE</b>		

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Water	Sodium Carbonate	Sodium Bicarbonate			
<b>PERCENT (%)</b>	95.5	3.7	0.80	0	0	0
<b>CAS NO.</b>	7732-18-5	497-19-8	144-55-8			
<b>EINECS NO.</b>	231-791-2	207-838-8	205-633-8			
<b>RISKS</b>		R20/22, R36				
<b>SAFETY</b>		S22, S26, S36/37/39, S45				



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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:** Not Applicable
- HAZARDS:** None
- EXTINGUISHING MEDIA:** Not Applicable
- SPECIAL FIRE FIGHTING PROCEDURES:** None

## 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:** Lab coats

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear

**ODOR:** None

**pH:** 10

**MOLECULAR WEIGHT:** Not Applicable (mixture)

**MELTING POINT:** approximately 0 degree C

**BOILING POINT:** Not Applicable

**AUTOIGNITION TEMPERATURE:** Not Applicable

**FLASH POINT:** Nonflammable - 90.7 % 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 BY-PRODUCTS:** Toxic oxides of carbon

**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:	Water	Sodium Carbonate	Sodium Bicarbonate			
<b>RTECS #</b>	ZC0110000	VZ4050000	VZ0950000			
<b>OSHA PEL</b>	Not Found	Not Found	Not Found			
<b>ACGIH TLV</b>	Not Found	Not Found	Not Found			
<b>TOXICITY DATA</b>	None	SKN-RBT 500 MG/24H MOD	SKN-HMN 30 mg/3D-I MLD			
		ORL-RAT LDLO: 4000 MG/KG	ORL-RAT LD50: 4220 mg/kg			
<b>TSCA</b>	Yes	1980	1980	0	0	0



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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:** None Listed  
**PRODUCT SAFETY STATEMENTS:** None Listed

## 16. OTHER INFORMATION