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DIONEX

DWG NO.

034062

REV

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OF

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APPR

DATE

MSDS

ELU, ONL, CONC 5X

034062

DWG NO.

01

REV


01	N/A	L.S.	<i>[Signature]</i>	1-12-95
REV	ECO NO.	BY	CHKD	DATE

MATERIAL SAFETY DATA SHEET

Product Number: 042017  
Product Description: ONLINE ANION ELUANT CONCENTRATE  
(5X CONCENTRATE OF 1.7 mM NaHCO<sub>3</sub>/1.8 mM Na<sub>2</sub>CO<sub>3</sub>)

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

Emergency Phone: (408) 737-0700  
Information Phone: (408) 737-0700  
Date Prepared: MAY 9, 1988  
Prepared By:

  
(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.

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HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (Section II)  
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HAZARDOUS COMPONENTS	PERCENT SOLUTION	CAS NO.
Deionized Water	99.8	7732-18-5
Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> )	0.095	497-19-8
Sodium Bicarbonate (NaHCO <sub>3</sub> )	0.071	144-55-8

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PHYSICAL/CHEMICAL CHARACTERISTICS (Section III)  
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APPEARANCE AND ODOR: Clear colorless solution

pH: Approximately pH 9

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**FIRE AND EXPLOSION HAZARD DATA (Section IV)**  
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FLASH POINT (METHOD USED): N/A  
(Note: solution is approximately 99.8% water)

FLAMMABLE LIMITS:  
LEL: Undetermined  
UEL: Undetermined

EXTINGUISHING MEDIA:  
\* Carbon Dioxide, Foam, Dry Chemical  
(Note: Carbon Dioxide is the only decomposition product)

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.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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**REACTIVITY DATA (Section V)**  
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STABILITY  
UNSTABLE:  
STABLE: X  
CONDITIONS TO AVOID:

INCOMPATIBILITY (MATERIALS TO AVOID):  
\* Strong Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:  
\* Carbon Dioxide

HAZARDOUS POLYMERIZATION:  
MAY OCCUR:  
WILL NOT OCCUR: X  
CONDITIONS TO AVOID:

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**HEALTH HAZARD DATA (Section VI)**  
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**HAZARD CLASS:**

COMPONENT	NFPA RATING (SCALE 0-4)		
	Health	Fire	Reactivity
Sodium Carbonate (pure)	no listings found		
Sodium Bicarbonate (pure)	0	0	0

**ROUTES OF ENTRY**

INHALATION?: X  
SKIN?: X  
INGESTION?: X

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

- \* May cause irritation of eyes and mucous membranes
- \* Toxic Hazards (1)

**TOXICITY DATA**

**SODIUM CARBONATE**

SKN-RAT 500 MG/24H MOD  
EYE-RBT 100 MG/24H SEV  
ORL-RAT LDLO 4000 MG/KG  
IPR-MUS LD50 117 MG/KG

REPORTED IN EPA TSCA INVENTORY, 1980

**SODIUM BICARBONATE**

SKN-HMN 30 MG/3D-I MLD  
ORL-RAT LD50: 4220 MG/KG

REPORTED IN EPA TSCA INVENTORY, 1980

reference #1 DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS

By N. Irving Sax  
6th Edition  
Van Nostrand Reinhold Company, Inc.

**CARCINOGENICITY:**

NTP?: Unknown  
IARC MONOGRAPHS?: Unknown  
OSHA REGULATED?: No

**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.

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**PRECAUTIONS FOR SAFE HANDLING AND USE (Section VII)**  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- \* Wear appropriate protective clothing and eye protection.
- \* Mop up and store in a suitable waste container.
- \* Wash contaminated areas with soap and water.

WASTE DISPOSAL METHOD:

- \* Incinerate or dispose of according to local, state and federal laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

- \* Work in areas with adequate ventilation.

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**CONTROL MEASURES (Section VII)**  
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RESPIRATORY PROTECTION (SPECIFY TYPE)

VENTILATION

- LOCAL EXHAUST: Good laboratory ventilation is acceptable.
- MECHANICAL (GENERAL):
- SPECIAL:
- OTHER:

PROTECTIVE GLOVES: Disposable laboratory gloves are adequate.

EYE PROTECTION: Glasses or goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Labcoats