



MATERIAL SAFETY DATA SHEET

Product Number:
056937

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

Product Description:

AS14A ELUENT CONCENTRATE
(0.8 M Na₂CO₃/0.1 M NaHCO₃)

Emergency Phone: 1-800-424-9300 (CHEMTREC)
Information Phone: (408) 737-0700
Date Prepared: 28 March 2000

(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.

COMPOSITION/INFORMATION ON INGREDIENTS (Section 2)

HAZARDOUS COMPONENTS	PERCENT (%)	CAS NO.	TLV Units	EINECS
Deionized Water	90.7	7732-18-5		
Sodium Carbonate (Na ₂ CO ₃)	8.5	497-19-8		
Sodium Bicarbonate (NaHCO ₃)	0.8	144-55-8		

HAZARDOUS IDENTIFICATION (Section 3)

HAZARD CLASS Non Hazardous

FIRST AID MEASURES (Section 4)

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

FIRE FIGHTING MEASURES (Section 5)

COMPONENT	NFPA RATINGS (SCALE 0-4)		
	Health	Fire	Reactivity
Sodium Carbonate (pure):	no listings found		
Sodium Bicarbonate (pure):	0	0	0
FLASH POINT (METHOD USED):	N/A (Note: solution is approximately 90.7% water)		
FLAMMABLE LIMITS:	LEL: Undetermined UEL: Undetermined		
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.		
UNUSUAL FIRE AND EXPLOSION:	None		
HAZARDS:	Non hazardous		



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ACCIDENTAL RELEASE MEASURES (Section 6)

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.

HANDLING AND STORAGE (Section 7)

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.

EXPOSURE CONTROL/PERSONAL PROTECTION (Section 8)

ROUTES OF ENTRY

INHALATION?: X

SKIN?: X

INGESTION?: X

HEALTH HAZARDS (ACUTE AND CHRONIC): RESPIRATORY PROTECTION (SPECIFY TYPE) VENTILATION

May cause irritation of eyes and mucous membranes
None

LOCAL EXHAUST: Good laboratory ventilation is acceptable.

MECHANICAL (GENERAL):

SPECIAL:

OTHER:

Disposable laboratory gloves are adequate

Glasses or goggles.

Labcoats

PROTECTIVE GLOVES:

EYE PROTECTION:

OTHER PROTECTIVE CLOTHING OR

EQUIPMENT:

PHYSICAL AND CHEMICAL PROPERTIES (Section 9)

APPEARANCE AND ODOR:

Clear, colorless, odorless solution

pH:

Approximately pH 11

STABILITY & REACTIVITY (Section 10)

STABILITY

UNSTABLE:

STABLE: X

CONDITIONS TO AVOID:

Strong Acids, Calcium Hydroxide

Carbon Dioxide, Carbon Monoxide

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID:

INCOMPATIBILITY (MATERIALS TO AVOID):

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

HAZARDOUS POLYMERIZATION:



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TOXICOLOGY INFORMATION (Section 11)

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: NTP?: Unknown
IARC MONOGRAPHS?: Unknown

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
SODIUM BICARBONATE	SKN-HMN 30 MG/3D-I MLD
	ORL-RAT LD 50: 4220 MG/KG

Reference #1 DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, By N. Irving Sax, 6th Edition, Van Nostrand Reinhold Company, Inc.

ECOLOGICAL INFORMATION (Section 12)

No information is found on environmental toxicity for this solution

DISPOSAL CONSIDERATIONS (Section 13)

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

TRANSPORT INFORMATION (Section 14)

Air & Ground: Not regulated

REGULATORY INFORMATION (Section 15)

Reported IN EPA TSCA Inventory, 1980	SODIUM CARBONATE
	SODIUM BICARBONATE

OTHER INFORMATION (Section 16)