



MATERIAL SAFETY DATA SHEET

Product:

**064161 AS23 Eluent Reagent; Sodium Carbonate/Bicarbonate Concentrate, 250 mL, (100x)
(0.45 M Carbonate/0.08 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: 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
Eyes:	Mild Irritant	HEALTH: 1	1
Skin:	Mild Irritant	FLAMMABILITY: 0	0
Ingestion:	Mild Irritant	REACTIVITY: 0	0
Inhalation:	Mild Irritant	NFPA SPECIAL: NONE	N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Water	Sodium Carbonate	Sodium Bicarbonate
PERCENT (%)	94.5	4.8	0.7
CAS NO.	7732-18-5	497-19-8	144-55-8
EINECS NO.	231-791-2	207-838-8	205-633-8
RISKS	None Known	R20/22, R36	None Known
SAFETY	None Known	S22, S26, S36/37/39, S45	None Known

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 thoroughly with water.
- INHALATION:** Move to fresh air.
- INGESTION:** If large amounts are swallowed, get medical help immediately. If patient is conscious, give large quantities of water.



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5. FIRE FIGHTING MEASURES

UNUSUAL FIRE AND EXPLOSION: Not Applicable

HAZARDS: None

EXTINGUISHING MEDIA: Not Applicable

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

- Absorb spillage using absorbent and dispose of in accordance with applicable regulations.

7. HANDLING AND STORAGE

- Normal use does not generate a hazardous situation when handled in accordance with good industrial hygiene and safety practices.
- Store at room temperature
- Keep container tightly closed

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): None.

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



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MOLECULAR WEIGHT: Not Applicable
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
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 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: SKIN: Wash skin with copious amounts of water.
EYES: Flush eyes with copious amounts of water for at least 15 minutes.
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
RTECS #	ZC0110000	VZ4050000	VZ0950000
OSHA PEL	Not Found	Not Found	Not Found
ACGIH TLV	Not Found	Not Found	Not Found
TOXICITY DATA	None	SKN-RBT 500 MG/24H MOD	SKN-HMN 30 mg/3D-I MLD
		ORL-RAT LDLO:	ORL-RAT LD50: 4220



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4000 MG/KG

mg/kg

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: Not Applicable
PROPER SHIPPING NAME: Not Applicable
CLASS OR DIVISION: Not Applicable
SUB RISK: Not Applicable
HAZARD LABEL(S): Not Applicable
PACKAGING GROUP: Not Applicable
LIMITED QUANTITY PKG INSTRUCTION: Not Applicable
MAXIMUM LIMITED QUANTITY: Not Applicable
SPECIAL PROVISIONS: Not Applicable
ERG CODE: Not Applicable
TRAINING: Not Applicable
VARIATIONS: Not Applicable

15. REGULATORY INFORMATION

PRODUCT RISK STATEMENTS: None Listed at this concentration
PRODUCT SAFETY STATEMENTS: None Listed at this concentration

16. OTHER INFORMATION