

Safety Data Sheets

Product:

064161 AS23 Eluent Reagent; Sodium Carbonate/Bicarbonate Concentrate,

Thermo Fisher Scientific
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: 12/23/2011

For laboratory use

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	Not Hazardous		NFPA
Eyes:	Mild Irritant	HEALTH	0
Skin:	Mild Irritant	FLAMMABILITY	0
Ingestion:	Not hazardous	REACTIVITY	0
Inhalation:	Not an inhalation hazardous		

GHS Label Elements:

Caution

Irritant

H315+H320: Causes skin and eye irritation

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	Data not available	R20/22, R36	Data not available
SAFETY	Data not available	S22, S26, S36/37/39, S45	Data not available

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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 skin 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

- Hazardous Combustion Products:** Data not available
- Extinguishing Media:** Data not available
- Special Protective Actions For Fire Fighters:** Data not available

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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065126 Revision 03

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Routes of Entry:

INHALATION: No
SKIN: Yes
INGESTION: Yes

Health Hazards

ACUTE: May cause irritation of eyes and mucous membranes
CHRONIC: Data not available

Ventilation

LOCAL EXHAUST: Good laboratory ventilation is acceptable.
MECHANICAL (GENERAL): Use in hoods if possible
SPECIAL: Data not available
OTHER: Data not available

Protective Clothing Or Equipment

GLOVES: Disposable nitrile gloves
EYE PROTECTION: Safety glasses or goggles.
RESPIRATORY: Data not available
OTHER: Lab coats

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear
ODOR: None
pH: 10
MOLECULAR WEIGHT: Data not available
MELTING POINT: Data not available
BOILING POINT: Approximately 100 degrees C
AUTOIGNITION TEMPERATURE: Data not available
FLASH POINT: Not combustible
LOWER EXPLOSION LIMIT: Data not available
UPPER EXPLOSION LIMIT: Data not available
SPECIFIC GRAVITY: Approximately 1
SOLUBILITY: Data not available
FREEZING POINT: Data not available
EVAPORATION RATE: Data not available
FLAMMABILITY: Not combustible
VAPOR PRESSURE: Data not available
VAPOR DENSITY: Data not available
DECOMPOSITION TEMPERATURE: Data not available
VISCOSITY: Data not available

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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:

Acute toxicity: May cause minor soreness or redness of eyes or mucous membranes.

Skin corrosion/irritation: Data not available

Serious eye damage/irritation:

Respiratory or skin sensitization: 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.

Germ cell mutagenicity: Data not available

Carcinogenicity: Data not available

Reproductive toxicity: Data not available

STOT-single exposure: Data not available

STOT-repeated exposure: Data not available

Aspiration hazard: No

Likely routes of exposure: Ingestion, skin

OSHA PEL: Data not available

NTP: Data not available

IARC Monographs: Data not available

ACGIH TLV TWA: Data not available

OSHA PEL: Data not available

NTP: Data not available

IARC Monographs: Data not available

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 None	SKN-HMN 30 mg/3D-I MLD ORL-RAT LD50: 4220 mg/kg

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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

USDOT: Not Regulated

IMO/IMDG : Not Regulated

IATA CLASSIFICATION: Not Regulated

Not environmentally hazardous

15. REGULATORY INFORMATION

No other regulatory information available

16. OTHER INFORMATION

PRODUCT RISK STATEMENTS: R20/22, R36

PRODUCT SAFETY STATEMENTS: S22, S26, S36/37/39, S45

No changes from previous versions of this document.

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