



MATERIAL SAFETY DATA SHEET

Product:**057559 Anion Regenerant Concentrate; Sulfuric Acid Concentrate, 75 mL, (20x)**

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: 2/11/2009

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	Irritant		NFPA	HMIS
Eyes:	Irritant	HEALTH	3	3
Skin:	Irritant	FLAMMABILITY	0	0
Ingestion:	Irritant	REACTIVITY	0	0
Inhalation:	Irritant	NFPA SPECIAL HMIS PPE	-	-

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Water	Sulfuric Acid				
PERCENT (%)	89.6	10.4	0	0	0	0
CAS NO.	7732-18-5	7664-93-9				
EINECS NO.	231-791-2	231-639-5				
RISKS		R22, R23, R35				
SAFETY		S20, S26, S36/37/39, S45				



MATERIAL SAFETY DATA SHEET

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:** Corrosive
- EXTINGUISHING MEDIA:** Not Applicable
- SPECIAL FIRE FIGHTING PROCEDURES:** Not Applicable

6. ACCIDENTAL RELEASE MEASURES

- Ventilate area.
- Wear appropriate protective clothing and eye protection.
- Contain spill.
- Neutralize, collect or absorb with an inert material (vermiculite, dry sand, earth, etc.)
- Store waste in a UN approved compatible container.
- 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.



MATERIAL SAFETY DATA SHEET

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: 1

MOLECULAR WEIGHT: 98.06

MELTING POINT: Not Applicable

BOILING POINT: Approximately 100 degrees C

AUTOIGNITION TEMPERATURE: Not Applicable

FLASH POINT: Nonflammable - 89.6% Water

LOWER EXPLOSION LIMIT: Undetermined

UPPER EXPLOSION LIMIT: Undetermined

SPECIFIC GRAVITY: Approximately 1



MATERIAL SAFETY DATA SHEET

10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Water-reactive materials

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Toxic oxides of sulfur

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	Sulfuric Acid
RTECS #	ZC0110000	WS5600000
OSHA PEL	Not Found	1 MG/M3
ACGIH TLV	Not Found	1 MG/M3/3 STEL
TOXICITY DATA	None	UNK-MAN LDLo: 135 mg/kg ORL-RAT LD50: 2,140 mg/kg
TSCA	Yes	1980



MATERIAL SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

No information is found on environmental toxicity for this solution

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable local, state and federal regulations

14. TRANSPORT INFORMATION

IATA CLASSIFICATION: IATA Dangerous Goods

UN ID NUMBER: 3316
PROPER SHIPPING NAME: Chemical Kit
CLASS OR DIVISION: 9
SUB RISK: None
HAZARD LABEL(S): Miscellaneous
PACKAGING GROUP: III
LIMITED QUANTITY PKG INSTRUCTION: Y915
MAXIMUM LIMITED QUANTITY: 1 Kg
SPECIAL PROVISIONS: A44, A802
ERG CODE: 9L

15. REGULATORY INFORMATION

PRODUCT RISK STATEMENTS: R35 Causes severe burns
R36 Irritating to the eyes
R37 Irritating to the respiratory system
R38 Irritating to the skin
R49 May cause cancer by inhalation

PRODUCT SAFETY STATEMENTS: S23 Do not breathe gas/fumes/vapor/spray
S30 Can become highly flammable in use
S36 Wear suitable protective clothing
S37 Wear suitable gloves
S39 Wear eye/face protection
S45 In case of accident or if you feel unwell, seek medical advice immediately

16. OTHER INFORMATION