



# MATERIAL SAFETY DATA SHEET

**Product:**

**57562 CS12A Eluent Concentrate; Methanesulfonic Acid Concentrate, 100 mL, (20x)**

**57558 CS12A Eluent Concentrate (20x), 100 mL, Pkg of 4**

**057070 DX-80 Cation-1 Reagent Start-up Kit**

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: 8/12/2010

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	Corrosive - Acid		NFPA	HMIS
<b>Eyes:</b>	Corrosive	<b>HEALTH</b>	3	3
<b>Skin:</b>	Corrosive	<b>FLAMMABILITY</b>	0	0
<b>Ingestion:</b>	Corrosive	<b>REACTIVITY</b>	0	0
<b>Inhalation:</b>	Corrosive	<b>NFPA SPECIAL</b>	-	-
		<b>HMIS PPE</b>		

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Water	Methane sulfonic Acid
<b>PERCENT (%)</b>	97.4	2.6
<b>CAS NO.</b>	7732-18-5	75-75-2
<b>EINECS NO.</b>	231-791-2	200-898-6
<b>RISKS</b>		R34 Causes burns.
<b>SAFETY</b>		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:

### HAZARDS:

**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

## 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.



# 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:** Labcoats

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear

**ODOR:** None

**pH:**

**MOLECULAR WEIGHT:** approximately 1.49 (pure MSA)

**MELTING POINT:** approximately 0 degree C

**BOILING POINT:** approximately 100 degrees C

**AUTOIGNITION TEMPERATURE:**

**FLASH POINT:** Nonflammable - 97.4% 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	Methane sulfonic Acid
<b>RTECS #</b>	ZC0110000	PB2100000
<b>OSHA PEL</b>	Not Found	Not Found
<b>ACGIH TLV</b>	Not Found	Not Found
<b>TOXICITY DATA</b>	None	ORL-RAT LDLo: 200 mg/kg IPR-RAT DLLo: 50 mg/kg



# MATERIAL SAFETY DATA SHEET

## 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: IATA Dangerous Goods

**UN ID NUMBER:** 3265

**PROPER SHIPPING NAME:** Corrosive liquid, acidic, organic, n.o.s., (Methanesulfonic acid)

**CLASS OR DIVISION:** 8

**SUB RISK:** None

**HAZARD LABEL(S):** Corrosive

**PACKAGING GROUP:** III

**LIMITED QUANTITY PKG INSTRUCTION:** Y818

**MAXIMUM LIMITED QUANTITY:** 1 L

**SPECIAL PROVISIONS:** None

**ERG CODE:** 8L

**TRAINING:** Shippers must be trained and certified.

**VARIATIONS:** State and Operator Variations may exist.

## 15. REGULATORY INFORMATION

**PRODUCT RISK STATEMENTS:** R34 Causes burns

**PRODUCT SAFETY STATEMENTS:** S1 Keep locked up

S2 Keep out of reach of children

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36 Wear suitable protective clothing

S45 In case of accident or if you feel unwell, seek medical advice immediately

## 16. OTHER INFORMATION