



MATERIAL SAFETY DATA SHEET

Product:
046070 Combined Six Cation Standard II, 50 mL

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Water	Hydrochloric Acid	Lithium Chloride	Sodium Chloride	Ammonium Chloride	Potassium Chloride	Magnesium Chloride	Calcium Chloride
PERCENT (%)	99.78	0	0	0	0	0	250 mg/L	500 mg/L
CAS NO.	7732-18-5	7647-01-0	7447-41-8	7647-14-5	12125-02-9	7447-40-7	7786-30-3	10043-52-4
EINECS NO.	231-791-2	231-595-7	231-212-3	231-598-3	235-186-4	231-211-8	232-094-6	233-140-8
RISKS		R22, R23, R35	R22, R36		R22, R36	R22, R36	R22, R36	R22, R36
SAFETY		S9, S22, S26, S36/37/39, S45	S20, S26, S36/37/39, S45		S20, S26, S36/37/39, S45	S20, S26, S36/37/39, S45	S20, S26, S36/37/39, S45	S20, S26, S36/37/39, S45



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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 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:** Non-hazardous
- EXTINGUISHING MEDIA:** Not Applicable
- SPECIAL FIRE FIGHTING PROCEDURES:** None

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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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: 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: 3

MOLECULAR WEIGHT: N/A (mixture)

MELTING POINT: Not Applicable

BOILING POINT: Approximately 100 degrees C

AUTOIGNITION TEMPERATURE:

FLASH POINT: Not Applicable

LOWER EXPLOSION LIMIT: Undetermined

UPPER EXPLOSION LIMIT: Undetermined

SPECIFIC GRAVITY: Approximately 1



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10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Strong Bases

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Hydrogen chloride

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	Hydrochloric Acid	Lithium Chloride	Sodium Chloride	Ammonium Chloride	Potassium Chloride	Magnesium Chloride	Calcium Chloride
RTECS #	ZC0110000	MW4025000	OJ5950000	VZ4725000	BP4550000	TS8050000	OM2975000	EV9800000
OSHA PEL	Not Found	C 5 PPM	Not Found	Not Found	10 MG/M3/20 STEL	Not Found	Not Found	5 MG/M3 (CN)
ACGIH TLV	Not Found	C 5 PPM; 9192	Not Found	Not Found	10 MG/M3 FUME; 9192	Not Found	Not Found	S, 5 MG/M3 (CN)
TOXICITY DATA	None	UNK-MAN LDLo: 81 MG/KG	ORL-HMN LDLo: 200 MG/KG/3D	ORL-HMN TDLo: 12357 MG/KG/23D-C TFX:BPR	ORL-DOG LDLo: 600 MG/KG	ORL-RAT LDLo: 2430 MG/KG	ORL-RAT LD50: 2800 MG/KG	ORL-RAT LD50: 1000 MG/KG
	None	IHL-HMN LCLo: 1300 PPM/30M	IPR-MUS LD50: 604 MG/KG	IPR-MUS LD50: 2602 MG/KG	IPR-MUS LD50: 485 MG/KG	IVN-MUS LD50: 117 MG/KG	IPR-MUS LD50: 99 MG/KG	IPR-DOG LDLo: 110 MG/KG
TSCA	Yes	1980	1980	1980	1980	1980	1980	1980



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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

IATA CLASSIFICATION: Not Regulated

UN ID NUMBER: -
PROPER SHIPPING NAME: -
CLASS OR DIVISION: -
SUB RISK: -
HAZARD LABEL(S): -
PACKAGING GROUP: -
LIMITED QUANTITY PKG INSTRUCTION: -
MAXIMUM LIMITED QUANTITY: -
SPECIAL PROVISIONS: -
ERG CODE: -
TRAINING: -
VARIATIONS: -

15. REGULATORY INFORMATION

PRODUCT RISK STATEMENTS: None Listed
PRODUCT SAFETY STATEMENTS: None Listed

16. OTHER INFORMATION