



# MATERIAL SAFETY DATA SHEET

**Product:**

**074036 InGuard Na Cartridges, Pkg. of 4**  
(Ion exchange cartridges)

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: 12/23/2009

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
<b>Eyes:</b>	Irritant	<b>HEALTH</b>	1	1
<b>Skin:</b>	Irritant	<b>FLAMMABILITY</b>	0	0
<b>Ingestion:</b>	Irritant	<b>REACTIVITY</b>	0	0
<b>Inhalation:</b>	Irritant	<b>NFPA SPECIAL</b>	-	-
		<b>HMIS PPE</b>		

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Sulfonated Styrene /Divinyl benzene Cation Exchange Resin	Sodium Ion
<b>PERCENT (%)</b>	87	13
<b>CAS NO.</b>	69011-21-8	7440-23-5
<b>EINECS NO.</b>	Not Found	Not Found
<b>RISKS</b>	R20/21/22/36/38	R36/38
<b>SAFETY</b>	S20/24/25/26, S36/37/39	



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## 4. FIRST AID MEASURES

**EYES:** Flush with water for at least 15 minutes occasionally raising upper and lower eyelids.

**SKIN:** Remove contaminated clothing and wash with soap and water thoroughly

**INHALATION:** Move to fresh air. If not breathing give artificial respiration

**INGESTION:** If large amounts are swallowed, get medical help immediately.

## 5. FIRE FIGHTING MEASURES

**UNUSUAL FIRE AND EXPLOSION:** Container may rupture due to polymerization. Dense acrid smoke is produced when product burns.

**HAZARDS:** During combustion, smoke will contain carbon dioxide, carbon monoxide in addition to other additives and may be toxic or irritating.

**EXTINGUISHING MEDIA:** Carbon Dioxide, Foam, Dry Chemical  
(Note: Carbon Dioxide is one of the decomposition products)

**SPECIAL FIRE FIGHTING PROCEDURES:** 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 (dry sand.)  
Sweep up and store in a suitable waste container for disposal.  
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 in a dry place  
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:** Yes  
**SKIN:** Surface  
**INGESTION:** Yes

### HEALTH HAZARDS

**ACUTE:** May cause irritation of eyes, skin, and mucous membranes  
**CHRONIC:** Unknown

### VENTILATION

**LOCAL EXHAUST:** Good laboratory ventilation is acceptable.  
**MECHANICAL (GENERAL):** Use in fume hood 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:** Brown to black powder  
**ODOR:** None  
**pH:** Not applicable (solid)  
**MOLECULAR WEIGHT:** Not applicable (polymer)  
**MELTING POINT:** Polymer (Decomp), 220 degrees C / Silver, 961.93 degrees C  
**BOILING POINT:** Not applicable (a solid)  
**AUTOIGNITION TEMPERATURE:**  
**FLASH POINT:** Not applicable  
**LOWER EXPLOSION LIMIT:** Undetermined  
**UPPER EXPLOSION LIMIT:** Undetermined  
**SPECIFIC GRAVITY:** Not applicable (polymer)



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## 10. STABILITY & REACTIVITY

**STABILITY/CONDITIONS TO AVOID:** Stable

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents such as concentrated nitric acid

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon monoxide, carbon dioxide

**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:	S Sulfonated Styrene /Divinyl benzene Cation Exchange Resin	Sodium
<b>RTECS #</b>	No data found	No data found
<b>OSHA PEL</b>	No data found	No data found
<b>ACGIH TLV</b>	Not Found	No data found
<b>TOXICITY DATA</b>	No data found	No data found

## 12. ECOLOGICAL INFORMATION

No information is found on environmental toxicity for this product

## 13. DISPOSAL CONSIDERATIONS

Contact local hazardous materials or chemical waste disposal agency for regulations.



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## 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:** R20 Harmful by inhalation  
R21 Harmful in contact with skin  
R22 Harmful if swallowed  
R25 Toxic if swallowed  
R38 Irritating to skin

**PRODUCT SAFETY STATEMENTS:** S24/25 Avoid contact with skin and eye

## 16. OTHER INFORMATION