



# MATERIAL SAFETY DATA SHEET

**Product:****SP3834 Resin OnGuard Silver, 50G**

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: 09 December 2005

(J. Ben Ricks Sr.)

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. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS:	Styrene/Divinylbenzene Copolymer Ag <sup>+</sup> Form	Water
PERCENT (%):	70–72%	28–30%
CAS NO.:	68584–08–7	7732–18–5
EC#:	Not Found	231–791–2
RISKS:	R20/22, R36/37/38	None
SAFETY:	S20, S22, S24/25, S26, S36/37/39, S45	None

## 3. HAZARDOUS IDENTIFICATION

HAZARD CLASS:	Irritant	NFPA	HMIS	
Eyes:	Irritant	HEALTH	2	2
Skin:	Irritant	FLAMMABILITY	1	1
Ingestion:	May Be Harmful or Cause Irritation	REACTIVITY	1	1
Inhalation:	Irritant	SPECIAL	None	None

## 4. FIRST AID MEASURES

- GENERAL:** Remove contaminated clothing and wash thoroughly before reuse.
- EYES:** Flush eyes with water for at least 15 minutes occasionally raising upper and lower eyelids and seek medical advice for possible irritation.
- SKIN:** Remove contaminated clothing and flush affected area thoroughly with water.
- INHALATION:** Move to fresh air and seek medical advice for possible irritation.
- 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 expected to be a fire hazard.
- HAZARDS:** Not expected to be a hazard.
- EXTINGUISHING MEDIA:** Carbon Dioxide, Wet, Foam, Dry Chemical.
- SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters subject to products of combustion should wear full-protective clothing including self-contained breathing apparatus operated in positive pressure mode. Use water to keep fire-exposed containers cool.



# MATERIAL SAFETY DATA SHEET

## 6. ACCIDENTAL RELEASE MEASURES

- Ventilate area.
- Wear appropriate protective clothing, dust mask, and eye protection.
- Contain spill and minimize air current to minimize airborne particles.
- Carefully sweep up and remove to a proper disposal container in accordance with local, state, and federal requirements.

## 7. HANDLING AND STORAGE

- Ensure good ventilation.
- Have an eye wash in the immediate area in case of emergency.
- Store at or below room temperature.
- Keep container tightly closed.
- Use good laboratory practice when working with any chemical whether it is considered hazardous or non-hazardous.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### ROUTES OF ENTRY

**INHALATION:** Yes

**SKIN:** Yes

**INGESTION:** Yes

### HEALTH HAZARDS

**ACUTE:** No hazards under normal conditions. Resin may cause irritation of skin, eyes and mucous membranes. Resin may be harmful if ingested.

**CHRONIC:** None identified.

### VENTILATION

**LOCAL EXHAUST:** Good laboratory ventilation is acceptable.

**MECHANICAL (GENERAL):** None.

**SPECIAL:** If exposure to the resin is experienced creating discomfort for the operator a NIOSH approved dust mask is recommended during clean-up of the spill.

**OTHER:** None.

### PROTECTIVE CLOTHING OR EQUIPMENT

**GLOVES:** Disposable laboratory gloves are adequate.

**EYE PROTECTION:** Wear glasses or goggles.

**RESPIRATORY:** Wear a NIOSH approved dust mask is recommended.

**OTHER:** Lab Coat.



# MATERIAL SAFETY DATA SHEET

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Dark brown to light brown color.  
**ODOR:** Typically odorless.  
**pH:** Not applicable.  
**MOLECULAR WEIGHT:** Not applicable, polymer material.  
**MELTING POINT:** Polymer decomposes at ~220 °C (428 °F)  
**BOILING POINT:** Not applicable.  
**AUTOIGNITION TEMPERATURE:** Not applicable.  
**FLASH POINT:** Not applicable.  
**LOWER EXPLOSION LIMIT:** None established.  
**UPPER EXPLOSION LIMIT:** None established.  
**SPECIFIC GRAVITY:** None established.

## 10. STABILITY & REACTIVITY

**STABILITY/CONDITIONS TO AVOID:** Stable under normal conditions of use and storage.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents such as concentrated nitric acid  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Oxides of sulfur, various substituted benzenes, carbon monoxide, carbon dioxide, silver compounds  
**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



# MATERIAL SAFETY DATA SHEET

## HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

<b>Hazardous Components:</b>	Styrene/Divinylbenzene Copolymer Ag <sup>+</sup> Form
<b>RTECS #</b>	Not Found
<b>OSHA PEL</b>	Not Found
<b>ACGIH TLV</b>	Not Found
<b>TOXICITY DATA</b>	None

## 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

## 15. REGULATORY INFORMATION

<b>PRODUCT RISK STATEMENTS:</b>	R20/R22 Harmful by inhalation and if swallowed R36/37/38 Irritating to eyes, respiratory system, and skin
<b>PRODUCT SAFETY STATEMENTS:</b>	S20 When using do not eat or drink S22 Do not breath dust S24/25 Avoid contact with skin and eye S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S36/37/39 Wear suitable protective clothing, gloves, and eye/face protection S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

## 16. OTHER INFORMATION

- None