



# MSDS

Material Safety Data Sheet  
November 7, 2007

## **Section 01: Chemical Product Identification**

Domestic Trade Name: *SpectraGuard™*

Export Trade Name: *SpectraGuard™*

Chemical Type: *Water Soluble Polymer*

## **Section 02: Information on Hazardous Ingredients**

Non-Hazardous Ingredients

## **Section 03: Hazards Identification**

### ***Health Hazards:***

Primary Route of Exposure: Skin contact, eye contact, and inhalation

Inhalation: Exposure to spray may cause irritation to the mucous membranes and respiratory system

Skin Contact: Exposure to skin can cause irritation

Eye contact: Material can cause irritation to eyes

Ingestion: Material is not harmful if accidentally ingested

***Medical Conditions Aggravated by Exposure:*** None known

## **Section 04: First Aid Measures**

First Aid For Ingestion: If swallowed give 2 glasses of water to drink. Seek medical attention immediately.

Never give anything by mouth to an unconscious person.

First Aid Inhalation: Remove to Fresh Air. In case of shortness of breath call a physician immediately.

First Aid Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention immediately.

First Aid Skin Contact: Wash exposed area with soap and water immediately. Remove and wash contaminated clothing.

## **Section 05: Fire Fighting Measures**

Autoignition Temp: N/A

Flammable Limits: LEL (Lower Explosive Limits) – Not applicable

Flammable Limits: UEL (Upper Explosive Limits) – Not applicable

Flash Point: Not applicable

Fire Fighting Media: Use media appropriate to primary cause of fire

Special Fire Fighting Procedures: None known

Fire/Explosion Hazards: None known

Special Procedures: Use water spray to cool containers exposed to fire. Minimize exposure. Do not breathe fumes. Contain run-off.

## **Section 06: Accidental Release Measures**

Spill/Leak Clean-Up Procedures: If possible neutralize with alkaline soap.

***Land Spill:*** Wearing recommended protective clothing and equipment, dike spill with soil, sand, or compatible commercial absorbent. Remove remaining liquid with a pump, vacuum truck, or absorb liquid in sand or commercial absorbent. Place waste in approved containers for disposal. Dispose waste according to Federal, State, and local regulations.

*Water Spill:* Wear protective clothing and equipment. Stop flow. Dike contaminated water and remove for disposal and/or treatment. Notify proper authorities and all downstream users if possible. Dispose of with Solid Waste according to Federal, State, and Local Regulations.

**\*CAUTION:** Floor will be Slippery

*Personal protection:*

Wear a NIOSH approved (or equivalent) respirator (with an organic/acid gas cartridge and a dust filter) during spill clean up and deactivation of the material. Protective clothing including chemical splash goggles, Latex, nitrile, or buytl rubber full-length gloves, rubber apron made of nitrile or buytl rubber, and rubber overshoes must be worn during spill clean-ups and deactivation of material. If this material comes into contact with the skin during clean-up operations, immediately remove all contaminated clothing and wash exposed skin areas with soap and water. See section 4, First Aid Measures, for further information.

### **Section 07: Handling and Storage**

**Precautionary Measures:**

Avoid Breathing Spray. See Section 8, Exposure Control/Personal Protection, prior to handling.

**Storage Conditions:**

The maximum storage temperature for this material is 55°C/131°F. The minimum storage temperature for this material is 0°C/32°F. Store in a well ventilated area. Do not store this material in containers made of steel.

### **Section 08: Exposure Control/Personal Protection**

**Ventilation:** Use local exhaust ventilation at the point of dust or mist evolution

**Respiratory Protection:** Dust masks where spraying cannot be avoided

**Eye Protection:** Safety glasses, splash goggles, and/or face shields (ANSI Z87.1 or approved equivalent)

**Skin Protection:** Use latex, neoprene, or rubber gloves, boots, and apron. Remove gloves after use. Wash hands with soap and water.

**Personal Hygiene:** Observe ordinary measures of personal hygiene

### **Section 09: Physical and Chemical Properties**

**Boiling Point:** That of Water

**Vapor Pressure:** That of Water

**Vapor Density:** That of Water

**Water Solubility:** Complete

**Melting/Freezing Point:** 32 °F

**Appearance:** Clear to light amber

**Specific Gravity:** 1.0 – 1.2 g/ml

**Percentage Volatile:** 96% as water

**Evaporation Rate:** That of Water

**pH of Solution:** 2 – 4

**Odor:** Mild

### **Section 10: Stability and Reactivity**

**Stability:** This material is considered stable under specific conditions of storage, shipment, and/or use. See Section 7, Handling and Storage, for specific conditions.

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** None Known

**Incompatible Materials:** Strong Oxidizing or Reducing Agents

**Hazardous Decomposition Products:** None Known

## **Section 11: Toxicological Information**

### ***Acute Toxicity***

Mutagenicity: AMES Salmonella Mutagenicity Testing exhibits no evidence of mutagen presence  
Oral Toxicity: Rat LD50>100,000 mg/kg  
Dermal Toxicity: Not absorbed topically  
Inhalation Toxicity: None known  
Skin Irritation: Rabbit; No irritation observed  
Sensitizer: No human repeat insult patch test; Not a sensitizer

## **Section 12: Ecological Information**

### ***Environmental Toxicity:***

Acute Fish 96 Hr LC50, Flathead minnow: 750 mg/L, NOEC/LOEC 500/1000  
Acute Daphnia 48 Hr EC50: 743 mg/L, NOEC/LOEC 500/1000  
Acute Purple sea urchin 40min. IC25 mg/L: >10, NOEC/LOEC 10/>10

## **Section 13: Disposal**

Incinerate liquid and contaminated solids in accordance with Federal, State, and local regulations and permits.

## **Section 14: Transport Information**

### ***Domestic Data***

Dot Shipping Name: Not Regulated  
Dot Hazard Class: Not Regulated  
Hazardous Ingredients: None

### ***Export Data***

Export Shipping Name: Not Regulate  
Export Hazard Class: Not Regulated  
Hazardous Ingredients: None  
UN Number: None

## **Section 15: Other Information**

HMIS Hazard Codes – Health/Flammability/Reactivity; 0,0,0  
NFPA Hazard Codes - Health/Flammability/Reactivity; 0,0,0

**For Chemical Emergency  
Spill Leak Fire Exposure or Accident  
Call CHEMTREC Day or Night**

**DOMESTIC NORTH AMERICA 800-424-9300  
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)**

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