

# SCIENTIFIC POLYMER PRODUCTS, INC.

## Material Safety Data Sheet

Effective Date: 06/96

Revision Date: 09/10

Catalog Number: 654

### 1. PRODUCT AND COMPANY INFORMATION

Product Name: Poly(methylenec-co-quanidine), hydrochloride

Catalog Number: 654

Company: Scientific Polymer Products, Inc.  
6265 Dean Parkway  
Ontario, NY 14519

Telephone: 585/265-0413

Fax: 585/265-1390

Website: [www.scientificpolymer.com](http://www.scientificpolymer.com)

Emergency Phone Number: 800-255-3924 (CHEM TEL)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration (%)
Poly(methylene-co-quanidine), hydrochloride	55295-98-2	100

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** May cause eye and skin irritation

**HMIS Classification:**

**Health Hazard:** 2      **Flammability:** 1      **Reactivity:** 0      **Protective Equipment:** C

**Potential Health Effects:** Product mixture: This product can be a mild to moderate skin irritant. May cause irritation which could cause permanent eye damage.

**Carcinogenicity:** Not listed on IARC, NTP, OSHA

### 4. FIRST AID MEASURES

**Inhalation:** Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious.

**Skin:** Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

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**Eyes:** Flush immediately under running water for fifteen minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs.

**Ingestion:** If ingested, seek medical assistance immediately.

### 5. FIRE FIGHTING MEASURES

**Flammable Properties:**

**Flash Point:** >205°F (Method: TCC) **Ignition Temperature:** N/A

**Suitable extinguishing:** Water, alcohol resistant foam, carbon dioxide, dry chemical

**Fire Fighting Procedures:** Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.

**Unusual Fire and Explosion Hazards:** None known

**Hazardous Combustion Products:** Thermal decomposition may produce oxides of carbon and nitrogen

### 6. ACCIDENTAL RELEASE MEASURES

Contain spill. Small spills may be flushed to the sewer or absorbed on suitable absorbents. Larger spills should be collected as liquid or absorbed. Clean up may be accomplished by flushing with water if appropriate. Place into suitable containers for disposal.

### 7. HANDLING AND STORAGE

**Handling:** Keep from freezing. Stir before use. Avoid getting on skin or in eyes when handling product.

**Storage:** Keep containers closed.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:** Not established

**Personal protective equipment:**

**Respiratory:** NIOSH approved respirator – chemical cartridge respirator with appropriate cartridge, if required.

**Skin:** Butyl rubber, PVC or Neoprene.

**Eyes:** Chemical splash goggles

**Engineering Controls:** Local ventilation recommended – mechanical ventilation may be used

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Odor:	Sharp
Specific Gravity:	1.21 (20°C)	Brookfield Viscosity:	20-50 cp (20°C)
pH:	3.5	Solubility in Water:	Soluble
Boiling Point:	100°C		

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous polymerization:</b>	Will not occur
<b>Materials to avoid:</b>	Strong oxidizing agents
<b>Conditions to avoid:</b>	None known

### 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	LD50 (rats):	Not tested
Skin Irritation:	Not tested	
Eye Irritation:	Not tested	

### 12. ECOLOGICAL INFORMATION

Biodegradation:	<10% (DOC)
Fish Toxicity:	1-10 mg/l (96 h, rainbow trout). By analogy with a similar product

### 13. DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. SP2 HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION DESCRIBED IN SECTION 2.

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### 14. TRANSPORT INFORMATION

#### DOT INFORMATION:

Proper Shipping Name:	Not regulated	Hazard Class:	N/A
Packing Group:	N/A	UN#:	N/A

#### IATA INFORMATION:

Proper Shipping Name:	Not regulated	Hazard Class:	N/A
Packing Group:	N/A	UN#:	N/A

### 15. REGULATORY INFORMATION

TSCA Status: All components of this product are listed on the TSCA Inventory

SARA (Section 311/312): Immediate/acute

SARA 313 Information: This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986.

Clean Water Act: Contains no known priority pollutants at concentrations greater than 0.1%

Volatile Organic Compounds VOC:

Content VOC (weight-%): 1%

Method: EPA Method 24

FDA: This product is NOT registered with the FDA

### 16. OTHER INFORMATION

This material is intended for laboratory use only. It is not sold or intended for drug, household or other uses. The information represents the most accurate and complete data currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assure no liability resulting from its use.