Scientific Polymer urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the data contained in this MSDS.

To promote safe handling, each customer or recipient should: 1) Notify its employees, agents, contractors and others whom it knows or believes will use this material of the information in this MSDS and any other information regarding hazards or safety; 2) Furnish this same information to each of its customers for the product; 3) Request its customers to notify their employees, customers, and other users of the product of this information.

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

1.1 IDENTIFICATION

Product Name: Poly(methyl methacrylate)

Chemical Family: N/A

Molecular Formula: (C₅H₈O₂)ₓ

Synonyms: None

1.2 COMPANY IDENTIFICATION

Scientific Polymer Products, Inc.
6262 Dean Parkway
Ontario, NY 14519

Telephone: (585) 265-0413

1.3 EMERGENCY TELEPHONE NUMBER

24 hours a day: CHEM-TEL 1-800-255-3924

2. COMPOSITION INFORMATION

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(methyl methacrylate)</td>
<td>9011-14-7</td>
<td>&gt;99</td>
</tr>
</tbody>
</table>

3. HAZARDS INFORMATION

3.1 EMERGENCY OVERVIEW

Appearance: N/A

Physical State: Beads

Odor: Typical “methacrylate”
Hazards of Product
CAUTION - Spillages may be slippery. May evolve irritating fumes on processing. This material is not intended for applications involving elevated temperatures.

3.2 POTENTIAL HEALTH EFFECTS

Effects of Overexposure:
Eyes: Dust may cause irritation
Skin: Unlikely to cause skin irritation
Ingestion: Low oral toxicity
Inhalation: Unlikely to be hazardous but dust or vapors may cause irritation.

4. FIRST AID PROCEDURES

4.1 INHALATION
Remove patient from exposure. Obtain medical attention if ill effects occur

4.2 EYE CONTACT
Remove particles by irrigating with eye wash solution or clean water, holding eyelids apart. Obtain medical attention.

4.3 SKIN CONTACT
Wash skin with soap and water.

4.4 SWALLOWING
Do not induce vomiting. Wash out mouth with water. Obtain medical attention if ill effects occur.

4.5 NOTES TO PHYSICIAN
None known

5. FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES
Flash Point: 572°F ASTMD1929
Autoignition Temperature: N/A

Flammable Limits in Air:
Lower: N/A Upper: N/A
5.2 EXTINGUISHING MEDIA
Water spray, foam, dry powder, CO2

5.3 SPECIAL FIREFIGHTING PROCEDURES
Equipment should be thoroughly washed after each use.

5.4 SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS
An approved, self-contained breathing apparatus should be worn.

5.5 UNUSUAL FIRE AND EXPLOSION HAZARDS
Combustible but not readily ignited. May form explosible dust clouds in air. May decompose if heated above 200°C.

5.6 HAZARDOUS COMBUSTION PRODUCTS
Combustion or thermal decomposition will evolve toxic, irritant and flammable vapors

6. ACCIDENTAL RELEASE MEASURES

Steps to be Taken if Material is Released or Spilled:
CAUTION - spillages may be slippery. Sweep up and place in a suitable container for disposal. Wash the spill area with water.

7. HANDLING AND STORAGE

7.1 HANDLING
Avoid contact with eyes. Avoid prolonged skin contact. Avoid inhalation of high concentrations of dust.

7.2 STORAGE
Keep containers in a clean, cool and dry area away from heat sources. Natural ventilation is adequate.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 EXPOSURE LIMITS
PEL OSHA: Particulates (Not Otherwise Classified)
  15 mg/m3, 8 Hr. TWA, total dust 5 mg/m3, 8 Hr. TWA, respirable dust
Methyl Methacrylate:
  PEL (OSHA): 100 ppm, 410 mg/m3, 8 hr. TWA
  TLV (ACGIH): 100 ppm, 410 mg/m3, 8 hr. TWA
8.2 PERSONAL PROTECTION

Respiratory Protection: Under normal conditions of use, respiratory protection should not be required
Skin Protection: N/A
Eye Protection: Safety glasses
Ventilation: When this material is heated, provide fresh air and/or exhaust to remove the hot processing fumes from the work area.

Other Protective Equipment:
Eye bath, safety shower

8.3 ENGINEERING CONTROLS
Engineering controls are not usually necessary if good hygiene practices are followed. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Appearance</th>
<th>Beads</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity:</td>
<td>1.20 (25°C)</td>
<td>Refractive Index:</td>
</tr>
<tr>
<td>Tg:</td>
<td>98°C</td>
<td>Inherent Viscosity:</td>
</tr>
<tr>
<td>% Volatiles:</td>
<td>&lt; 1</td>
<td>Solubility in Water:</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur

Conditions to Avoid: None known
Materials to Avoid: None known

11. TOXICOLOGICAL INFORMATION

High concentrations of dust may be irritating to the upper respiratory tract. High concentrations of vapor from hot operations may be harmful, cause irritation of the respiratory tract, and slight narcotic effects.
12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: High tonnage material produced in partially contained systems. Solid with low volatility. The product is essentially insoluble in water. The product has low potential for bioaccumulation. The product is predicted to have low mobility in soil.

Persistence and Degradation: The product is non-biodegradable in soil. There is no evidence of degradation in soil and water.

The product is predicted to have low toxicity to aquatic organisms.

Effect on Effluent Treatment: The product is anticipated to be poorly removed in biological treatment process.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of as a non-hazardous waste. Comply with all Federal, State and Local regulations.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

TSCA Inventory: Reported/Included
Canadian Regulations: DSL Regulatory Status: Included
European Regulations:
EINECS: Polymer, monomers included, 201-297-1 (methyl methacrylate): 201-204-4 (methacrylic acid)
16. OTHER INFORMATION

HMIS HAZARD RATING

HEALTH: 0
FLAMMABILITY: 1
REACTIVITY: 0

PERSONAL PROTECTION: B

FIRE:
Material that must be preheated before ignition can occur.

HEALTH:
Materials which on exposure under fire conditions would offer no hazard beyond that of ordinary combustible material.

REACTIVITY:
Materials which in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.

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 assume no liability resulting from its use.