Section 1 – Product and Company Information

**Product Name:** IonClear BigBead  
**Product Number:** 30041  
**Company Name and Address:** Sterogene Bioseparations, Inc.  
1949 Kellogg Avenue  
Carlsbad, CA 92008  
(760) 929-0455 (phone)  
(760) 929-8720 (fax)  
www.sterogene.com

**Emergency Phone #:** (760) 207-2765

Section 2 – Hazards Identification

**Emergency Overview**  
Caution: Avoid unnecessary skin contact, eye contact and ingestion. May cause severe eye irritation and moderate corneal injury. Skin irritation may occur with prolonged or repeated exposure. The risk of hazardous effects from the ingestion of small amounts is considered to be minimal.

**NFPA Rating**  
Data not available

Section 3 – Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>% Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfonated copolymer of Styrene and Divinylbenzene in the Hydrogen form</td>
<td>69011-20-7</td>
<td>10-30%</td>
</tr>
<tr>
<td>Trimethylamine functionalized, Chloromethylated copolymer of Styrene and Divinylbenzene in the Hydroxide form</td>
<td>69011-18-3</td>
<td>10-30%</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>40-70%</td>
</tr>
</tbody>
</table>

Section 4 – First Aid Measures

**If Swallowed**  
If swallowed and the victim is conscious, rinse mouth with water. DO NOT induce vomiting. Seek immediate medical attention.

**If Inhaled**  
If inhaled, remove person to fresh air. If breathing is difficult, administer oxygen. If victim is not breathing, administer artificial respiration.

**In Case of Skin Contact**  
In case of contact, immediately wash skin with soap and copious amounts of water. Contact a physician if irritation develops.

**In Case of Eye Contact**  
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Contact a physician, preferably an ophthalmologist.

Section 5 – Fire Fighting Measures

**Conditions of Flammability**  
Flash Point: not available

**Suitable Extinguishing Media**  
Water spray, dry chemical, carbon dioxide or the appropriate foam.

**Protective Equipment**  
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Contain fire water run-off if possible, as the run-off may cause environmental damage.

**Specific Hazards**  
May emit the following under fire conditions: Ammonia, Aldehydes, Naphthalene, Benzene Compounds, Phenol, Carbon Oxides, Organic Amines, Chlorinated Hydrocarbons, Sulfur Oxides and Organic Sulfonates.

Section 6 – Accidental Release Measures

**Personal Precautions**  
Wear chemical safety goggles, rubber boots and gloves, and clothing suitable to prevent contact with skin. Beads may present a slipping hazard on hard surfaces.

**Methods for Cleanup**  
Sweep up material and place in closed containers for disposal. Wash spill site with water after material pickup is complete. Follow all applicable federal, state and local regulations.

Section 7 – Handling and Storage

**Handling**  
Avoid inhalation, ingestion and contact with skin, eyes and clothing. Avoid prolonged or repeated exposure.

**Suitable Storage**  
Store in a tightly sealed container according to label instructions.

Section 8 – Exposure Controls

**Engineering Controls**  
Ensure that safety shower and emergency eye wash station are proximal to the work area. Provide exhaust ventilation when required.

**Personal Protective Equipment**

**Respiratory**  
NIOSH/MSHA approved respirator

**Hand**  
Chemical resistant gloves

**Eye**  
Chemical splash goggles or safety glasses

**Skin Specific**  
Lab coat or appropriate protective clothing
Section 9 – Physical/Chemical Properties

**Appearance**
White to dark amber beads

**Odor**
Odorless to amine

**Solubility**
Insoluble in H₂O

Data on physical and chemical properties not available.

Section 10 – Stability and Reactivity

**Stability**
Stable under recommended storage conditions.

**Materials/Conditions to Avoid**
Excessive heat may cause decomposition of active ingredient. Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products**
Thermal decomposition may yield the following: Vinylbenzenes, Ammonia, Aldehydes, Naphthalene, Benzene compounds, Phenol, Carbon Oxides, Organic Amines, Nitrogen Oxides, Chlorine, Chlorinated Hydrocarbons, Sulfur Oxides and Organic Sulfonates.

**Hazardous Polymerization**
Hazardous polymerization will not occur.

Section 11 – Toxicological Information

**Route of Exposure**

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Inhalation</th>
<th>Eye Contact</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Contact</td>
<td>May cause skin irritation.</td>
<td>May cause eye irritation.</td>
<td>May be irritating to the upper respiratory tract.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>May be irritating to the upper respiratory tract.</td>
<td>May be harmful if swallowed. May be irritating to mucous membranes.</td>
<td></td>
</tr>
</tbody>
</table>

Section 12 – Ecological Information

No data available

Section 13 – Disposal Considerations

All recovered material should be packaged, labeled, transported and disposed of in conformance with applicable federal, state and local laws and regulations.

Section 14 – Transport Information

**DOT**
Non-Hazardous for Transport

**IATA**
Non-Hazardous for Transport

Section 15 – Regulatory Information

**California Prop. 65**
This chemical is not known to the state of California to cause cancer, birth or any other reproductive defects.

Section 16 – Other Information

**Disclaimer**
The information contained herein is presented in good faith and is believed to be correct as of the date prepared, but does not purport to be all inclusive. Regulatory requirements are subject to change and may differ depending on location. It is the customer's responsibility to ensure that its activities are in compliance with local, state, federal or provincial laws.

No information contained in this document is to be taken as a warranty for which Sterogene Bioseparations, Inc. bears responsibility. Sterogene shall not be held liable for any damage resulting from handling or from contact with the product. All materials may present hazards and should be used with caution. Although specific hazards are described, we cannot guarantee that these are the only hazards that exist.