

SECTION 1: Identification

1.1. Identification

Product form : Substance
 Trade name : IonClear BigBead
 Product code : 30041

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Laboratory chemicals, Manufacture of substances

1.3. Details of the supplier of the safety data sheet

Sterogene Bioseparations, Inc.
 1949 Kellogg Avenue, Carlsbad, CA 92008
 Telephone Number: (760) 929-0455
 Contact Person: James Danford
 jdanford@sterogene.com

1.4. Emergency telephone number

Emergency number : (951) 447-9994

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin irritation (Category 2) H315 - Flammable liquid and vapor
 Eye irritation (Category 2A) H319 - Causes serious eye irritation
 STOT SE (Category 3) H335 - Respiratory system

Full text of H-statements: See section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H335 - May cause respiratory irritation

Precautionary statements (GHS-US) : P261 – Avoid breathing dust/fumes/gas/mist/vapors/spray.
 P264 – Wash skin thoroughly after handling.
 P271 – Use only outdoors or in a well-ventilated area.
 P280 – Wear protective gloves/eye protection/face protection.
 P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
 P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
 P321 – Call a POISON CENTER or doctor/physician if you feel unwell.
 P332 + P313 - If skin irritation occurs: Get medical advice/attention.
 P337 + P313 - If eye irritation persists: Get medical advice/attention.
 P362 – Take off contaminated clothing and wash before reuse.
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
 P405 - Store locked up
 P501 - Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification : None

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according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

SECTION 3: Composition/information on ingredients

3.1. Substance

Name	Product identifier	%	GHS-US classification
Sulfonated copolymer of Styrene and Divinylbenzene in the Hydrogen form	(CAS No) 69011-20-7	10 - 30	Skin irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, 1, H335
Trimethylamine functionalized Chloromethylated copolymer of Styrene and Divinylbenzene in the Hydroxide form	(CAS No) 69011-18-3	10 - 30	Skin irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, 1, H335

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Consult a physician and show this SDS to the doctor in attendance. Move out of dangerous area.
First-aid measures after inhalation	: Remove person to fresh air and keep in a position comfortable for breathing. If not breathing, administer artificial respiration and consult a physician.
First-aid measures after skin contact	: Wash skin with soap and plenty of water. Consult a physician if irritation develops.
First-aid measures after eye contact	: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. If conscious, rinse mouth with water. Consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

The most important symptoms and effects are described in the labeling section (section 2.2).

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, dry powder, alcohol resistant foam or Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Nature of decomposition products is not known.
Explosion hazard	: No data available.
Reactivity	: Stable under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire. Use fire-extinguishing media appropriate for surrounding materials.
Protective equipment for firefighters	: Do not attempt to take action without suitable protective equipment, including self-contained breathing apparatus, if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Use appropriate personal protective equipment. Ensure adequate ventilation. Do not breathe vapors, spray, and mist. Avoid contact with skin and eyes. Beads may present a slipping hazard on hard surfaces.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 (Exposure Control/Personal Protection).

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for containment and cleaning up : Sweep up material and place in closed containers for disposal. Avoid creating dust. Follow all applicable federal, state and local regulations.

6.4. Reference to other sections

For further information refer to section 8: Exposure controls/personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wear personal protective equipment. Ensure good ventilation of the work station, and avoid dust formation. Do not breathe vapors, spray, and mist. Avoid contact with skin and eyes.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a cool, well-ventilated place. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Wash hands before breaks and at the end of the workday.
- Hand protection : Chemical resistant protective gloves.
- Eye protection : Safety glasses or face shield.
- Skin and body protection : Lab coat or other suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid beads
- Color : White to dark amber
- Odor : Odorless to amine-like
- Odor threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Flammability (solid, gas) : No data available
- Explosive limits : No data available
- Explosive properties : No data available
- Oxidizing properties : No data available
- Vapor pressure : No data available
- Relative density : No data available
- Relative vapor density at 20 °C : No data available
- Solubility : Insoluble in H₂O
- Log Pow : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Viscosity : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Nature of decomposition products is not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure : Oral; Inhalation; Skin and eye contact

Acute toxicity : No data available

Skin corrosion/irritation : No data available

Serious eye damage/irritation : No data available

Respiratory or skin sensitization : No data available

Germ cell mutagenicity : No data available

Carcinogenicity IARC : No component to this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.

ACGIH : No component to this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP : No component to this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA : No component to this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity : No data available

Specific target organ toxicity (single exposure) : Inhalation: May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) : No data available

Aspiration hazard : No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste treatment methods : All recovered material should be packaged, labeled, transported and disposed of in conformance with all applicable federal, state and local laws and regulations.
- Contaminated packaging : Dispose of as unused product.

SECTION 14: Transport information

Department of Transportation (DOT)

Not regulated by DOT

Air transport

Not regulated by IATA - Not regulated for transport by air.

SECTION 15: Regulatory information

15.1. US Federal regulations

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

15.3. US State regulations

California Proposition 65 Components

This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

SECTION 16: Other information

- Sources of Key data : Data arise from reference works and literature.
- Revision date : 15 Dec 2020
- Abbreviations and acronyms : Eye irrit. - Eye irritation
Skin irrit. - Skin irritation
STOT SE 3 - Specific Target Organ Toxicity (Single Exposure) Category 3

Full text of H-statements:

H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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.