

3711 Market Street, Philadelphia PA 19104

Website: www.biobots.com

Email: info@biobots.io

Safety Data Sheet

1. Identification

Product Name	Gelatin Methacrylate
Substance/Mixture	Substance
Company:	BioBots, Inc.
Address	3711 Market Street, Suite 881 Philadelphia PA, 19104
Telephone	215-588-8937 Hours of operation: Monday – Friday, 9:00 am – 6:00 pm
Email	support@biobots.io

2. Hazards Identification

Classification of the substance or mixture	
Physical Hazards	Not classified
Health Hazards	Not classified
Environmental Hazards	Not classified
Label Elements, including precautionary statements	
Pictograms or hazard symbols	None
Signal word	No signal word
Hazard Statements	None
Precautionary statements	None

This substance is not classified according to the Globally Harmonized System (GHS)

3. Composition/Information on Ingredients

CAS Number	Not classified
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4. First Aid Measure

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
After Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
After Skin Contact:	Wash off with soap and plenty of water. Consult a physician.
After Eye Contact:	Rinse opened eye for several minutes under running water for at least 15 minutes and consult a physician.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2).
Indication of any immediate medical attention and special treatment needed	No data available.

5. Fire-fighting Measures

Suitable Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Specific hazards arising from the chemical:	Not data available
Precautions for Firefighters:	

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Special Protective Equipment for Firefighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full –piece operated in positive pressure mode
Further information	No data available

6. Accidental Release Measures

Personal Precautions, Protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and materials for containment and cleaning up:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Precautions for Safe Handling	
Technical Measures:	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dust. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Wear personal protective equipment according to section 8 if risk of exposure. Provide appropriate exhaust ventilation where necessary.
Conditions for safe storage, including any incompatibilities	
Storage Conditions:	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature -20°C. Light sensitive, moisture sensitive.
Specific end use(s)	No further relevant information available
Packaging Material:	Comply with laws

8. Exposure Controls/Personal Protection

Components with workplace control parameters	Contains no substances with occupational exposure limit values.
Control Parameters	Not set up
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Personal Protective Equipment	
General protective and hygienic measures:	The usual precautionary measures for handling chemicals should be followed
Respiratory Protection.	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type PC (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Penetration time of glove material	The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed

(contd. on page 3)

Eye Protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)
Skin and body protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body protection	Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Limitation and supervision of exposure into the environment	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

Form	Solid
Color	White to off-white
Odor	No data available
pH	No data available
Melting point/freezing point	No data available
Boiling point/range	No data available.
Flash point	No data available
Flammability or explosive limits:	
Lower	No data available
Upper	No data available
Relative Density	No data available
Ignition temperature	
Decomposition temperature	No data available
Danger of explosion	No data available
Explosion limits	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Solubility(ies)	
Water	No data available
Segregation coefficient (n-octanol/water)	No data available
Viscosity:	Not applicable
Other information	No further relevant information available

10. Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	No data available
Incompatible materials	Strong oxidizing agents, amines, free radical initiators, chemically active metals
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. – Carbon oxides Other decomposition products – No data available In the event of fire: see section 5.

11. Toxicological Information

Acute toxicity:	No data available
LD/LC50 values	No information available
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Sensitization	No sensitizing effects known
Germ cell mutagenicity:	No data available
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available
Remark	Caution – substance not yet fully tested Due to the structure of the substance and studies made on similar products we assume that the product is unclassified.
Additional Information	No data available.

12. Ecological Information

Ecotoxicity	
Aquatic Toxicity	No data available
Persistence/degradability:	No data available
Bioaccumulative Potential:	Bioaccumulation is unlikely.
Mobility in Soil	No information available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects	No further information available
Remark:	Caution – substance not yet fully tested. Due to the structure of the substance and studies made on similar products we assume that the product is unclassified.

13. Disposal Considerations

Waste Treatment methods	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Uncleaned packagings	Contaminated packaging materials must be disposed of in the same manner as the product.
Recommendation	Disposal must be made according to official regulations

14. Transport Information

UN Number DOT,ADR,AND,IMDG,IATA	-
Proper shipping name (technical name) DOT,ADR,AND,IMDG,IATA	-
Transport hazard class(es) DOT,ADR,AND,IMDG,IATA Class	-
Packing group DOT,ADR, AND,IMDG, IATA	-
Environmental Hazards	Not applicable

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Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional Information	Not dangerous according to the above specifications.

15. Regulatory information

Sara	
Section 302	No chemicals in this material are subject to the reporting of SARA Title III, Section 302.
Section 313 (specific toxic chemical listings):	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.
California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

16. Other Information

This information is based on our present knowledge. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility. BioBots, Inc. and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. This document and information shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.