

1 Identification

Product Name	Volumetric Gelatin Methacrylate (GelMA) PhotoInk™
Product Number	VOL-PI-GMA
Brand	Volumetric
Company Address	Volumetric Biotechnologies, Inc 2450 Holcombe Blvd, Suite J, Houston, TX 77021
Telephone	(855) 761-5080
E-mail	support@volumetricbio.com
Version	1.1
Revision Date	07/29/2020

2 Hazards Identification

Hazard Statements | Not a hazardous substance or mixture

HMIS Rating

Health 0
Fire 0
Reactivity 0

3 First Aid Measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	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.	No further information available.
Indication of any immediate medical attention and special treatment needed	No further information available.

4 Firefighting Measures

Suitable extinguishing media | Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Advice for firefighters | Wear self-contained respirator. Wear fully protective impervious suit.

5 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Personal precautions, protective equipment and emergency procedures	Prevent further leakage or spillage if safe to do so.
Environmental precautions	

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.

6 Handling and Storage

Precautions for safe handling | Avoid contact with skin and eyes.

Conditions for safe storage | Recommended storage temperature: 4 °C.
Light sensitive.

Keep container tightly sealed in a dry and well-ventilated place. Store in the dark. Protect from heat.

7 Physical and Chemical Properties

Control parameters | This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

General protective and hygienic measures | The usual precautionary measures for handling chemicals should be followed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Breathing equipment | Use suitable respirator when high concentrations are present.

Gloves | Nitrile rubber, at least 0.11 mm thickness

Eye protection | Tightly sealed goggles.

Body protection | Protective work clothing.

8 Physical and Chemical Properties

Appearance Form | Liquid

Color | Clear yellow

Odor | No data available

Odor Threshold | No data available

pH | No data available

Melting point | No data available

Initial boiling point | No data available

Flash point | No data available

Evaporation rate | No data available

Flammability (solid, gas) | No data available

Upper/lower flammability or explosive limits | No data available

Vapor pressure | No data available

Vapor density | No data available

Relative density | No data available

Water solubility | No data available

Partition coefficient: n-octanol/water | No data available

Auto-ignition temperature | No data available

Decomposition temperature | No data available

Viscosity | No data available

Explosive properties | No data available

Oxidizing properties | No data available

9 Stability and Reactivity

Reactivity | No data available

Chemical stability | Stable under recommended storage conditions.

Possibility of hazardous reactions | No data available

Conditions to avoid	Elevated temperatures, sunlight, UV, or ionising radiation.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides.
Other decomposition products	No data available

10 Toxicological Information

Acute toxicity	No data available
Inhalation	No data available
Dermal	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA, or ACGIH.
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

11 Ecological Information

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects	No data available

12 Disposal Considerations

Product	Consult state, local, or national regulations to ensure proper disposal. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging	Disposal must be made according to official regulations.

13 Transport Information

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

14 Regulatory Information

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
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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	No SARA Hazards
Massachusetts Right To Know Components	No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right To Know Components	Gelatin Methacrylate. CAS#
New Jersey Right To Know Components	Gelatin Methacrylate. CAS#
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.

15 Other Information

This information is correct to the best of our knowledge. We cannot accept liability for any loss, injury or damage which may result from its use.