


1 Identification

Product Name:	Poly(ethylene glycol) diacrylate, 3400
Molecular Weight	3400 g/mol
Formula	$H[OCH_2CH_2]_nOH, n = 77$
CAS #:	26570-48-9
Classification	Substance
Company:	Volumetric Biotechnologies, Inc
Address:	2450 Holcombe Blvd, Suite J, Houston, TX 77021
Telephone:	(855) 761-5080
E-mail:	support@volumetricbio.com
Version:	1.1
Revision Date:	07/05/2019

2 Hazards Identification

Pictogram	
Signal Word	Danger
Hazard Statements	<p>H315 Skin irritation (Category 2)</p> <p>H318 Serious eye damage (Category 1)</p> <p>H317 Skin sensitisation (Category 1)</p> <p>H361 Reproductive toxicity (Category 2)</p>
Precautionary Statements	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.</p> <p>P264 Wash skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302 + P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.</p> <p>P308 + P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362 Take off contaminated clothing and wash before reuse.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container to an approved waste disposal plant.</p>
HMIS Rating	
Health	2 (Acute effects)
Fire	1
Reactivity	1

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.	Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause an allergic skin reaction.
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.
Special hazards arising from the substance or mixture	Danger of containers bursting upon heating. If this product is involved in a fire, carbon monoxide and carbon dioxide can be released.
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. Do not let product enter drains.
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. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage	Recommended storage temperature: -20 °C. Handle and store under inert gas. Light sensitive. Moisture sensitive. Keep container tightly sealed in a dry and well-ventilated place. Store away from free radical initiators. Store away from air. Store in the dark. Protect from heat. Store away from oxidizing agents. Store away from amines.

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	Solid
Color	White
Odor	No data available
Odor Threshold	No data available
pH	No data available
Melting point	59 - 63 °C (138 - 145 °F)
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. Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation. May polymerize on exposure to light.
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

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 sensitization	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.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	Acute Health Hazard
Massachusetts Right To Know Components	No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right To Know Components	Poly(ethylene glycol) diacrylate solid. CAS# 26570-48-9
New Jersey Right To Know Components	Poly(ethylene glycol) diacrylate solid. CAS# 26570-48-9
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.