

3401 Grays Ferry Avenue, Building 176, Philadelphia PA 19146

Website: www.allevi3D.com

Email: info@allevi3D.com

Safety Data Sheet

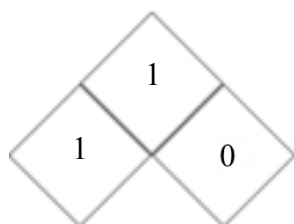
1. Identification

Product Name	Gelest RG® 01 Reprographic Silicone
Substance/Mixture	Mixture – vinyl, methyl modified silica in poly(dimethylsiloxane), vinylterminated with (part b) hydride functional crosslinker
Company:	Allevi, Inc. and Gelest, Inc.
Address	3401 Grays Ferry Avenue, Building 176, Philadelphia PA 19146
Telephone	215-588-8937
Email	info@allevi3D.com

2. Hazards Identification

Classification of the substance or mixture	Not classified
--	----------------

NFPA ratings (scale 0-4):



Health = 1

Fire = 1

Reactivity = 0

HMIS-Ratings (scale 0 -4):

Health	1
Fire	1
Reactivity	0

Other Hazards not otherwise classified (HNOC) or not covered by GHS - none

Results of PBT and vPvB assessment:

PBT: Not required/not conducted

vPvB: Not required/not conducted

3. Composition/Information on Ingredients

Product Name	Part A: Vinyl terminated polydimethylsiloxane	
Chemical composition	Vinyl terminated polydimethylsiloxane	> 70%
CAS Number	68083-19-2	

Product Name	Part B: Methylhydrosiloxane-dimethylsiloxane copolymer, trimethylsiloxane terminated	
Chemical composition	Methylhydrosiloxane-dimethylsiloxane copolymer, trimethylsiloxane terminated	< 50%
CAS Number	68037-59-2	

Product Name	Part A: Vinyl, methyl modified silica	
Chemical composition	Vinyl, methyl modified silica	> 30%
CAS Number	68988-89-6	

4. First Aid Measure

After Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
After Skin Contact:	Wash with plenty of soap and water. Get medical advice/attention.
After Eye Contact:	Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
Ingestion	Never give anything by mouth to an unconscious person. Get medical advice/attention.
General Measures:	Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

5. Fire-fighting Measures

Suitable Extinguishing Media:	Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.
Specific hazards arising from the chemical:	Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.
Further information:	No data available.

6. Accidental Release Measures

Personal Precautions, Protective equipment and emergency procedures	Use personal protective equipment such as neoprene or nitrile rubber gloves, chemical goggles and suitable protective clothing.
---	---

Environmental Precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods and materials for containment and cleaning up:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.

7. Handling and Storage

Precautions for Safe Handling	
Technical Measures:	Avoid all eye and skin contact and do not breathe vapor and mist. Use only outdoors or in a well-ventilated area. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Conditions for safe storage, including any incompatibilities	
Storage Conditions:	Keep container tightly closed. Keep away from incompatible materials such as alkalis, metal salts, oxidizing agents, and precious metals. Store in a well-ventilated place. Store away from heat.
Specific end use(s)	No further relevant information available.

8. Exposure Controls/Personal Protection

No additional information available

9. Physical and Chemical Properties

Appearance	Form: clear liquid, viscous
Odor	No data available
Odor Threshold	No data available
pH	No data available
Melting point/freezing	< -60 °C
Initial boiling point and boiling range	> 205 °C
Flash point	121 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	< 1 mm Hg @ 20 °C
Vapor density	No data available
Relative density	1.04
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	Kinematic: A: 4000-6000 cSt; B: 50-125 cSt
Explosive properties	No data available
Oxidizing properties	No data available

10. Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable in sealed containers stored under a dry inert atmosphere
Possibility of hazardous reactions	B-part is reactive with metal salts and precious metals
Conditions to avoid	Heat. Open flame. Sparks.
Incompatible materials	Alkalis. Metal salts. Oxidizing agent. Precious metals.
Hazardous decomposition products	Formaldehyde. Organic acid vapors. Silicon dioxide.

11. Toxicological Information

Acute toxicity:	LD50 Oral – rat – > 16 mL/kg LD50 Dermal – rabbit – > 16 mL/kg
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:	No data available
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:	No data available

12. Ecological Information

Toxicity	No data available
Persistence/degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil	No data available
Results of PBT and vBvB assessment	PBT/vPvB assessment was not available as chemical safety assessment not required/not conducted
Other adverse effects	No known ecological damage caused by this product

13. Disposal Considerations

Waste Treatment methods	Do not dispose of waste into sewer. Incinerate. Dispose in a safe manner in accordance with local/national regulations.
Uncleaned packaging	Avoid release to the environment.

14. Transport Information

Not regulated for transport.

15. Regulatory information

Part A: Vinyl terminated polydimethylsiloxane (68083-19-2)	Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Canadian DSL (Domestic Substances List) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
---	---

	<p>Listed on the Korean ECL (Existing Chemicals List)</p> <p>Listed on NZIoC (New Zealand Inventory of Chemicals)</p> <p>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)</p> <p>Listed on INSQ (Mexican national Inventory of Chemical Substances)</p>
<p>Part A: Vinyl, methyl modified silica (68988-89-6)</p>	<p>Listed on the United States TSCA (Toxic Substances Control Act) inventory</p> <p>Listed on the AICS (Australian Inventory of Chemical Substances)</p> <p>Listed on the Canadian DSL (Domestic Substances List)</p> <p>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)</p> <p>Listed on the Korean ECL (Existing Chemicals List)</p> <p>Listed on NZIoC (New Zealand Inventory of Chemicals)</p> <p>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)</p>
<p>Part B: Methyldrosiloxane-dimethylsiloxane copolymer, trimethylsiloxane terminated (68037-59-2)</p>	<p>Listed on the United States TSCA (Toxic Substances Control Act) inventory</p> <p>Listed on the AICS (Australian Inventory of Chemical Substances)</p> <p>Listed on the Canadian DSL (Domestic Substances List)</p> <p>Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory</p> <p>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)</p> <p>Listed on the Korean ECL (Existing Chemicals List)</p> <p>Listed on NZIoC (New Zealand Inventory of Chemicals)</p> <p>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)</p> <p>Listed on INSQ (Mexican national Inventory of Chemical Substances)</p>

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. Allevi, 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.