

# Safety Data Sheet

## SECTION 1: Identification

### Contact information

#### General



Vizgen, Inc.  
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**Emergency telephone number** Chemtrec (24-hour availability):  
+1 (800) 424-9300 (USA and Canada);  
+1 (703) 527-3887 (International; collect calls accepted)

**Product identifier** MERSCOPE Slide (beaded)  
**Product number** 20400001  
**Trade name** Not applicable  
**Chemical family** Not applicable  
**Recommended uses and restrictions** Starting material; used in the synthesis of research product.  
**Note** This SDS is written to address potential worker health and safety issues associated with the handling of uncoated silanized glass slides. For coated slides, refer to appropriate product formulation specific SDS for additional information.

## SECTION 2: Hazard(s) identification

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

### Label elements

**GHS Hazard pictograms** Not applicable  
**GHS Signal word** Not applicable  
**GHS Hazard statements** Not applicable  
**GHS Precautionary statements** Not applicable

**Other hazards** Glass slides are comprised of borosilicate glass. Glass slides are silanized.

**Note** This substance does not meet criteria for classification under GHS as implemented by Regulation EC No 1272/2008 (EU CLP), WHMIS 2015 (Health Canada), and Hazard Communication Standard No. 1910.1200 (US OSHA). Nevertheless, it should be handled with caution as it has not yet been fully tested.

## SECTION 3: Composition/Information on ingredients

Ingredient	CAS number	EINECS/ELINCS#	Amount	GHS classification
Borosilicate glass (Slides) (Main constituent)	N/A	N/A	>99 %	Not classified

**Note** The substance listed above is not classified, but is listed because its toxicological properties have not yet been fully characterized.

## SECTION 4: First-aid measures

### Description of first aid measures

**Immediate medical attention and special treatment, if necessary** No.  
**Inhalation**

No specific first aid measures required. If inhalation of small particles from slides/materials occurs following accidental damage, notify medical personnel and supervisor.

<b>Skin contact</b>	No specific first aid measures required. Wash exposed area with soap and water and remove contaminated clothing/shoes. If irritation occurs or persists, notify medical personnel and supervisor.
<b>Eye contact</b>	No specific first aid measures required. If contact with small particles from slides/materials occurs following accidental damage, notify medical personnel and supervisor.
<b>Ingestion</b>	No specific first aid measures required. If accidental ingestion of any slides/materials occurs, do not induce vomiting unless directed by medical personnel. Notify medical personnel and supervisor.
<b>Most Important Symptoms/Effects</b>	Medical conditions aggravated by exposure: None known or reported. Treat symptomatically and supportively.
<b>Expected Symptoms/Effects, Acute and Delayed</b>	See Sections 2 and 11

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## SECTION 5: Fire-fighting measures

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### Suitable (and unsuitable) extinguishing media

<b>Suitable extinguishing media</b>	Use water spray (fog), foam, dry powder, or carbon dioxide, as appropriate for surrounding fire and materials.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	No information identified. May emit carbon monoxide, carbon dioxide.
<b>Fire hazard</b>	No information identified.
<b>Explosion hazard</b>	No information identified.
<b>Reactivity in case of fire</b>	No data available. No dangerous reactions known.

### Special protective equipment and precautions for fire-fighters

<b>Firefighting instructions</b>	In case of fire in the surroundings: use the appropriate extinguishing agent. Wear full protective clothing and an approved, positive pressure, self-contained breathing apparatus. Decontaminate all equipment after use.
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## SECTION 6: Accidental release measures

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### Personal precautions, protective equipment and emergency procedures

<b>Protective equipment</b>	If product is released or spilled, take proper precautions to minimize exposure by using appropriate personal protective equipment (see Section 8). Area should be adequately ventilated.
<b>Emergency procedures</b>	Do not breathe dust/vapors/mist/spray.
<b>Environmental precautions</b>	Do not empty into drains. Avoid release to the environment.
<b>Methods and material for containment and cleaning up</b>	
<b>Methods for cleaning up</b>	If slides are spilled/dropped/crushed/broken, scoop up and dispose of in a manner that is compliant with federal, state or local laws. Broken glass parts should be disposed of within appropriate sharps containers. .
<b>Reference to other sections</b>	See Sections 8 and 13 for more information.

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## SECTION 7: Handling and storage

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<b>Precautions for safe handling</b>	Follow recommendations for handling biochemical reagents (i.e, use of engineering controls and/or other personal protective equipment if needed). Avoid contact with eyes, skin and other mucous membranes. Wash thoroughly after handling. Do not breathe dust/vapors/mist/spray.
<b>Conditions for safe storage, including any incompatibilities</b>	
<b>Storage conditions</b>	Store at -20 °, away from incompatible materials.
<b>Specific end use(s)</b>	Research and development.

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## SECTION 8: Exposure controls/personal protection

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**Note** Dispose of broken vials in a sharps container.

### Control parameters/Occupational Exposure Limits

Name	Issuer	Value
<b>Borosilicate glass (Slides)</b>	No data available	No data available

<b>Appropriate engineering controls</b>	No specific controls or precautions required. Selection and use of containment devices and personal protective equipment should be based on a risk assessment of exposure potential.
<b>Respiratory protection</b>	No special precautions required. Choice of respiratory protection should be appropriate to the task and the level of existing engineering controls.
<b>Hand protection</b>	No special precautions required. Wear nitrile or other impervious gloves to avoid device contamination.

<b>Eye protection</b>	Base the choice of protection (e.g., chemical splash goggles) on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available.
<b>Skin and body protection</b>	No special precautions required. Base the choice of skin protection (e.g., appropriate gloves, lab coat, or other protective overgarment) on the job activity, potential for skin contact and solvents and reagents in use.
<b>Other protective measures</b>	Wash hands in the event of contact with material, especially before eating, drinking or smoking. Protective equipment is not to be worn outside the work area (e.g., in common areas or out-of-doors).
<b>Environmental exposure controls</b>	Avoid release to the environment and operate within closed systems wherever practicable. Air and liquid emissions should be directed to appropriate pollution control devices. In case of spill, do not release to drains. Implement appropriate and effective emergency response procedures to prevent release or spread of contamination and to prevent inadvertent contact by personnel.

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## SECTION 9: Physical and chemical properties

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<b>Physical state</b>	Solid
<b>Appearance</b>	Glass slide
<b>Formula</b>	Not applicable
<b>Molecular mass</b>	Not applicable
<b>Color</b>	Clear, colorless
<b>Odor</b>	No data available
<b>Odor threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting point</b>	No data available
<b>Freezing point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	Not applicable
<b>Relative evaporation rate (butyl acetate=1)</b>	Not applicable
<b>Flammability (solid, gas)</b>	No data available
<b>Vapor pressure</b>	Not applicable
<b>Relative vapor density at 20 °C</b>	No data available
<b>Relative density</b>	No data available
<b>Solubility</b>	No data available
<b>Log Pow</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity, kinematic</b>	Not applicable
<b>Viscosity, dynamic</b>	Not applicable
<b>Explosion limits</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available

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## SECTION 10: Stability and reactivity

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<b>Reactivity</b>	No data available.
<b>Chemical stability</b>	No data available.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to avoid</b>	No data available.
<b>Incompatible materials</b>	No data available.
<b>Hazardous decomposition products</b>	No data available.

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## SECTION 11: Toxicological information

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**Likely routes of exposure** Not likely to be absorbed by dermal contact. May be absorbed by inhalation or ingestion.

### Toxicological information

#### Acute toxicity

<b>Component</b>	<b>Type</b>	<b>Dose</b>
<b>Borosilicate glass (Slides)</b>	No data available	No data available
<b>Additional information</b>	No data available	
<b>Serious eye damage/irritation</b>	No data available	
<b>Skin corrosion/irritation</b>	No data available	

<b>Sensitization</b>	No data available
<b>STOT-single exposure</b>	No data available
<b>STOT-repeated exposure</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Developmental toxicity</b>	No data available
<b>Genotoxicity</b>	No data available
<b>Carcinogenicity</b>	No data available. This substance is not listed by NTP, IARC, ACGIH or OSHA as a carcinogen.
<b>Aspiration hazard</b>	No data available
<b>Experience with humans</b>	See "Section 2 - Other Hazards".

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## SECTION 12: Ecological information

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### Toxicity

<b>Component</b>	<b>Type</b>	<b>Concentration</b>
<b>Borosilicate glass (Slides)</b>	No data available	No data available
<b>Persistence and degradability</b>	No data available.	
<b>Bioaccumulative potential</b>	No data available.	
<b>Mobility in soil</b>	No data available	
<b>Results of PBT assessment</b>	No data available	
<b>Other adverse effects</b>	No data available	
<b>Note</b>	The environmental characteristics of this substance have not been fully investigated. Releases to the environment should be avoided.	

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## SECTION 13: Disposal considerations

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<b>Waste treatment methods</b>	Used material should be disposed of according to local, state, and federal regulations. All wastes containing the material should be properly labeled. Dispose of wastes in accordance to prescribed federal, state, and local guidelines, e.g, appropriately permitted chemical waste incinerator. Rinse waters resulting from spill cleanups should be discharged in an environmentally safe manner, e.g, appropriately permitted municipal or on-site wastewater treatment facility.
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## SECTION 14: Transport information

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<b>Transport</b>	Based on the available data, this substance is not regulated as a hazardous material/dangerous good under EU ADR/RID, US DOT, Canada TDG, IATA, or IMDG.
<b>UN number</b>	None assigned.
<b>UN proper shipping name</b>	None assigned.
<b>Transport hazard class(es) (DOT)</b>	None assigned.
<b>Packing group</b>	None assigned.
<b>Marine pollutant</b>	Based on the available data, this substance is not regulated as an environmental hazard or a marine pollutant.
<b>Special transport precautions</b>	Avoid release to the environment.
<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable

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## SECTION 15: Regulatory information

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<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	This SDS generally complies with the requirements listed under current guidelines in the US, EU and Canada. Consult your local or regional authorities for more information.
<b>Chemical safety assessment</b>	No chemical safety assessment has been carried out.
<b>TSCA</b>	All components of this product are listed as active, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.
<b>SARA Section 313 - Emission Reporting</b>	This substance or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
<b>California Proposition 65</b>	California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

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**SECTION 16: Other information**

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<b>Full text of H phrases and GHS classification</b>	Not applicable
<b>Data sources</b>	Information from published literature and internal company data.
<b>Abbreviations and acronyms</b>	ACGIH - American Conference of Governmental Industrial Hygienists; ADR/RID - European Agreement Concerning the International Carriage of Dangerous Goods by Road/Rail; AIHA - American Industrial Hygiene Association; CAS# - Chemical Abstract Services Number; CLP - Classification, Labelling, and Packaging of Substances and Mixtures; DNEL - Derived No Effect Level; DOT - Department of Transportation; EINECS - European Inventory of New and Existing Chemical Substances; ELINCS - European List of Notified Chemical Substances; EU - European Union; GHS - Globally Harmonized System of Classification and Labeling of Chemicals; IARC - International Agency for Research on Cancer; IDLH - Immediately Dangerous to Life or Health; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; LOEL - Lowest Observed Effect Level; LOAEL - Lowest Observed Adverse Effect Level; NIOSH - The National Institute for Occupational Safety and Health; NOEL - No Observed Effect Level; NOAEL - No Observed Adverse Effect Level; NTP - National Toxicology Program; OEL - Occupational Exposure Limit; OSHA - Occupational Safety and Health Administration; PBT - Persistent, Bioaccumulative, and Toxic; PNEC - Predicted No Effect Concentration; SARA - Superfund Amendments and Reauthorization Act; STOT - Specific Target Organ Toxicity; STEL - Short Term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System
<b>Issue date</b>	27 October 2021
<b>Current revision</b>	1.0
<b>Indication of changes</b>	This is the first version of this SDS.
<b>Disclaimer</b>	The above information is based on data available to us and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use and all persons receiving it must make their own determination of the effects, properties and protections which pertain to their particular conditions. No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the materials, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material because it is a biochemical product. The above information is offered in good faith and with the belief that it is accurate. As of the date of issuance, we are providing all information relevant to the foreseeable handling of the material. However, in the event of an adverse incident associated with this product, this Safety Data Sheet is not, and is not intended to be, a substitute for consultation with appropriately trained personnel.