

Safety Data Sheet

SECTION 1: Identification

Contact information

General



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Product identifier MERSCOPE Slide (unbeaded)
Product number 20400002
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.

Skin contact	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.
Eye contact	No specific first aid measures required. If contact with small particles from slides/materials occurs following accidental damage, notify medical personnel and supervisor.
Ingestion	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.
Most Important Symptoms/Effects	Medical conditions aggravated by exposure: None known or reported. Treat symptomatically and supportively.
Expected Symptoms/Effects, Acute and Delayed	See Sections 2 and 11

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

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

Special protective equipment and precautions for fire-fighters

Firefighting instructions	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

Personal precautions, protective equipment and emergency procedures

Protective equipment	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.
Emergency procedures	Do not breathe dust/vapors/mist/spray.
Environmental precautions	Do not empty into drains. Avoid release to the environment.
Methods and material for containment and cleaning up	
Methods for cleaning up	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. .
Reference to other sections	See Sections 8 and 13 for more information.

SECTION 7: Handling and storage

Precautions for safe handling	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.
Conditions for safe storage, including any incompatibilities	
Storage conditions	Store at -20 °, away from incompatible materials.
Specific end use(s)	Research and development.

SECTION 8: Exposure controls/personal protection

Note Dispose of broken vials in a sharps container.

Control parameters/Occupational Exposure Limits

Name	Issuer	Value
Borosilicate glass (Slides)	No data available	No data available

Appropriate engineering controls	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.
Respiratory protection	No special precautions required. Choice of respiratory protection should be appropriate to the task and the level of existing engineering controls.
Hand protection	No special precautions required. Wear nitrile or other impervious gloves to avoid device contamination.

Eye protection	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.
Skin and body protection	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.
Other protective measures	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).
Environmental exposure controls	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.

SECTION 9: Physical and chemical properties

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

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

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

Toxicological information

Acute toxicity

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

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

SECTION 12: Ecological information

Toxicity

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

SECTION 13: Disposal considerations

Waste treatment methods	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

Transport	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.
UN number	None assigned.
UN proper shipping name	None assigned.
Transport hazard class(es) (DOT)	None assigned.
Packing group	None assigned.
Marine pollutant	Based on the available data, this substance is not regulated as an environmental hazard or a marine pollutant.
Special transport precautions	Avoid release to the environment.
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	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.
Chemical safety assessment	No chemical safety assessment has been carried out.
TSCA	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.
SARA Section 313 - Emission Reporting	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.
California Proposition 65	California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

SECTION 16: Other information

Full text of H phrases and GHS classification	Not applicable
Data sources	Information from published literature and internal company data.
Abbreviations and acronyms	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
Issue date	27 October 2021
Current revision	1.0
Indication of changes	This is the first version of this SDS.
Disclaimer	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.