



**Safety Data Sheet (SDS)**  
**MF-2059, Diamond Polishing Slurry**  
Bioanalytical Systems Inc. (BASi)

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**Section 1: Identification**

*Product Identifier:* MF-2059  
Diamond slurry (3 µm)

*Recommended Use:* Abrasive for polishing

*Manufacturer:* Bioanalytical Systems Inc. (BASi)  
2701 Kent Avenue  
West Lafayette, IN 47906  
Phone: 765-463-4527  
Fax: 765-497-1102

*Emergency Phone Number:* 800-845-4246

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**Section 2: Hazard(s) Identification**

*Hazard Classification:* According to GHS classification, this is not a hazardous substance.

*Precautionary Statement:* Wear appropriate eye personal protective equipment and avoid inhaling dust or spray.

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**Section 3: Composition/Information on Ingredients**

*Chemical Name:* Odorless mineral spirits in water

*CAS#:* 8052-41-3

*Purity/Additives:* 10-30%

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**Section 4: First-Aid Measures**

*Ingestion:* Contact local Poison Control Center immediately for assistance. DO NOT induce vomiting! Drink large quantities of water or milk if available. Never attempt to induce vomiting or give anything by mouth to an unconscious person.

*Inhalation:* Remove to fresh air; if breathing becomes difficult call a physician. If not breathing, then give artificial respiration and notify the EMS.

*Skin Contact:* Remove contaminated clothing and wash affected area thoroughly with soap and water. If irritation persists or systemic symptoms develop obtain emergency medical assistance. Wash contaminated clothing before reuse.

*Eye Contact:* Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by holding eyelids open and obtain emergency medical assistance immediately.

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**Section 5: Fire-Fighting Measures**

<i>Flash Point:</i>	> 90 °C
<i>Flammable Limits in Air:</i>	NA
<i>Autoignition Temperature:</i>	NA
<i>Extinguishing Media:</i>	Foam, dry chemical, carbon dioxide
<i>Special Firefighting Procedure:</i>	Water jets are unsuitable for extinguishing purposes; wear protective clothing and self-contained breathing apparatus.
<i>Unusual Fire/Explosion Hazard:</i>	None

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**Section 6: Accidental Release Measures**

<i>Clean Up Procedure:</i>	Take up liquid on absorbent material and transfer to exhaust hood, allowing volatile portion to escape. Place absorbent material and residue into closed container for disposal.
<i>Disposal:</i>	Do not pour liquid material down drains or sewers. Dispose in sealed containers according to Federal, State, and Local regulations.
<i>Respiratory Protection:</i>	Use an OSHA approved respirator.
<i>Ventilation:</i>	Provide sufficient local exhaust and general ventilation to maintain exposure below PEL, especially for spraying operations producing mists.
<i>Eye/Skin Protection:</i>	Safety glasses and polyethylene gloves should be worn at all times. Protective clothing should be worn where skin irritation or other effects may occur.

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**Section 7: Handling and Storage**

<i>Precautions for handling:</i>	Wear safety glasses and polyethylene gloves.
<i>Recommendations for storage:</i>	Store product in a cool and dry place.

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**Section 8: Exposures Controls/Personal Protection**

<i>Warning:</i>	Possible skin irritant, avoid prolonged contact with skin.
<i>OSHA PEL:</i>	100 ppm (mineral spirits)

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**Section 9: Physical and Chemical Properties**

<i>Appearance:</i>	Odorless and colored viscous liquid.
<i>Formula:</i>	NA
<i>Formula Weight:</i>	NA
<i>Solubility:</i>	Dispersible
<i>Boiling Point:</i>	100-200 °C
<i>Melting Point:</i>	NA
<i>Vapor Pressure:</i>	NA
<i>Density:</i>	NA

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**Section 10: Stability and Reactivity**

<i>Stability:</i>	Stable
<i>Incompatibilities:</i>	Strong oxidizing agents
<i>Conditions to Avoid:</i>	None known
<i>Hazardous Polymerization:</i>	Will not occur
<i>Decomposition Products:</i>	None known

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**Section 11: Toxicological Information**

<i>Exposure Routes:</i>	Inhalation and skin contact.
<i>Symptoms of Overexposure:</i>	It is a mild skin and eye irritant. Inhalation may cause dizziness, drowsiness, and respiratory irritation. Ingestion may cause nausea, vomiting, diarrhea, and pulmonary edema if aspirated into lungs after vomiting.
<i>Effects of Overexposure:</i>	Possible lung damage from the inhalation of finely divided particles.

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**Section 16: Other Information**

*Date created:* 2/9/1998

*Date revised:* 5/25/2017

*Disclaimer:*

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