



Safety Data Sheet (SDS)
MF-2051, MF-2053, and MF-2054, Diamond Polishing Slurry
Bioanalytical Systems Inc. (BASi)

Section 1: Identification

Product Identifier: MF-2051, MF-2053, and MF-2054
Diamond slurry (1 µm, 6 µm, and 15 µm)

Recommended Use: Abrasive for polishing

Manufacturer: Bioanalytical Systems Inc. (BASi)
2701 Kent Avenue
West Lafayette, IN 47906
Phone: 765-463-4527
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Emergency Phone Number: 800-845-4246

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.

Section 3: Composition/Information on Ingredients

Chemical Name: Odorless mineral spirits

CAS#: 8052-41-3

Purity/Additives: 30-60%

Chemical Name: Ethylene glycol

CAS#: 107-21-1

Purity/Additives: 10-30%

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.

Section 5: Fire-Fighting Measures

Flash Point: > 90 °C

Flammable Limits in Air: NA

Autoignition Temperature: NA

Extinguishing Media: Foam, dry chemical, carbon dioxide

Special Firefighting Procedure: Water jets are unsuitable for extinguishing purposes; wear protective clothing and self-contained breathing apparatus.

Unusual Fire/Explosion Hazard: None

Section 6: Accidental Release Measures

Clean Up Procedure: 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.

Disposal: Do not pour liquid material down drains or sewers. Dispose in sealed containers according to Federal, State, and Local regulations.

Respiratory Protection: Use an OSHA approved respirator.

Ventilation: Provide sufficient local exhaust and general ventilation to maintain exposure below PEL, especially for spraying operations producing mists.

Eye/Skin Protection: Safety glasses and polyethylene gloves should be worn at all times. Protective clothing should be worn where skin irritation or other effects may occur.

Section 7: Handling and Storage

Precautions for handling: Wear safety glasses and polyethylene gloves.

Recommendations for storage: Store product in a cool and dry place.

Section 8: Exposures Controls/Personal Protection

Warning: Possible skin irritant, avoid prolonged contact with skin.

OSHA PEL: 100 ppm (mineral spirits)
50 ppm (ethylene glycol)

Section 9: Physical and Chemical Properties

Appearance: Odorless and colored viscous liquid.

Formula: NA

Formula Weight: NA

Solubility: Dispersible

Boiling Point: 100-200 °C

Melting Point: NA

Vapor Pressure: NA

Density: NA

Section 10: Stability and Reactivity

Stability: Stable

Incompatibilities: Strong oxidizing agents

Conditions to Avoid: None known

Hazardous Polymerization: Will not occur

Decomposition Products: None known

Section 11: Toxicological Information

Exposure Routes: Inhalation and skin contact.

Symptoms of Overexposure: 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.

Effects of Overexposure: Possible lung damage from the inhalation of finely divided particles.

Section 16: Other Information

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