



SAFETY DATA SHEET

Date: June 2015

Section #1: PRODUCT AND COMPANY IDENTIFICATION

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Telephone: (224) 659-7101 (Office Hours 8:00 a.m. to 5:30 p.m. CST)
24-Hour Emergency Number: Chemtrec – 1-800-424-9300

Product Identification: Resin Bond (RB) Diamond Abrasive Powder
Product Name: Diamond MB Powder #LAP5-DPRB-YYY-00XX
Y = Container Size (carats) X = Particle Size (microns)
Product Use: Lapping and/or Polishing Component Surfaces

2. Hazards Identification

GHS Signal Word: None
GHS Hazard Phrases: No phrases apply.
GHS Precaution Phrases: No phrases apply.
GHS Response Phrases: No phrases apply.
GHS Storage and Disposal Phrases: No phrases apply.



Potential Health Effects (Acute and Chronic): Chronic: None.

Inhalation: Low hazard for normal industrial handling.

Skin Contact: May cause skin irritation. Exposure may cause irritation characterized by redness, dryness, and inflammation.

Eye Contact: May cause eye irritation. Dust may cause mechanical irritation.

Ingestion: May cause irritation of the digestive tract. Low hazard for usual industrial handling.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
7782-40-3	Diamond	100.0 %	

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Do NOT allow victim to rub eyes or keep eyes closed. If irritation develops, get medical aid.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water. Get medical aid if irritation or symptoms occur.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt:	NP Method Used: Estimate
Explosive Limits:	LEL: N/A UEL: N/A
Autoignition Pt:	NP
Suitable Extinguishing Media:	Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use agent most appropriate to extinguish fire.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use extinguishing media appropriate to surrounding fire conditions.
Flammable Properties and Hazards:	No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled:	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.
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7. Handling and Storage

Precautions To Be Taken in Handling:	Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Precautions To Be Taken in Storing:	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. No special precautions indicated.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7782-40-3	Diamond	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

9. Physical and Chemical Properties

Physical States: [] Gas [] Liquid [X] Solid
Appearance and Odor: Powder.
No apparent odor.
pH: NA
Melting Point: 500.00 C
Boiling Point: No data.
Flash Pt: NP Method Used: Estimate
Evaporation Rate: Negligible
Flammability (solid, gas): No data available.
Explosive Limits: LEL: N/A UEL: N/A
Vapor Pressure (vs. Air or mm Hg): Negligible
Vapor Density (vs. Air = 1): Negligible
Specific Gravity (Water = 1): 3.451
Solubility in Water: Insoluble.
Percent Volatile: No data.
Autoignition Pt: NP
Decomposition Temperature: 500.00 C
Viscosity: Negligible
Molecular Formula & Weight: C 12.0

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: dust generation.
Incompatibility - Materials To Avoid: None.
Hazardous Decomposition or Byproducts: Carbon monoxide.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: Epidemiology: No information available.
 Teratogenicity: No information available.
 Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies:
Carcinogenicity/Other Information: CAS# 7782-40-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information: Environmental: Exists solely in particulate phase and will eventually settle out.
 Physical: No information available.
 Other: No information available.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
 RCRA P-Series: None listed.
 RCRA U-Series: None listed.

14. Transport Information

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not regulated as a hazardous material.
DOT Hazard Class:
UN/NA Number:
LAND TRANSPORT (Canadian TDG):
TDG Shipping Name: No information available.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7782-40-3	Diamond	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Acute (immediate) Health Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chronic (delayed) Health Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Fire Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sudden Release of Pressure Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reactive Hazard

16. Other Information

THIS PRODUCT IS CERTIFIED TO BE RoHS COMPLIANT

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