



MK Diamond Products, Inc.

FOR CHEMICAL EMERGENCY SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL (CHEMTREC) 800-424-9300. THIS MSDS COMPLIES WITH 29 CFR 1919.1200 (THE OSHA HAZARD COMMUNICATION STANDARD)

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product / Chemical Name:
Grinding Wheel (Braze Single Layer)

Chemical Family or Product Type: Any Grade
Product Type: N/A **Formula:** N/A

Manufacturer:
EHWA Diamond Industrial Co., Ltd
Revision Date: 02.15.2011

Section 2 - Composition/Information on Ingredients

Chemical Name & Common Names	CAS Numbers
Diamond	7782-40-3
Nickel	7440-02-0
Chromium	7440-47-3

Section 3 - Hazards Identification

Inhalation Acute Exposure Effects: Dust may be slightly irritating to respiratory tract at high concentrations, causing coughing and shortness of breath.

Inhalation Chronic Exposure Effects: May affect breathing capacity.

Skin Contact Acute Exposure Effects: Some may experience skin irritation from dust.

Eye Contact Acute Exposure Effects: Dust may irritate eyes.

Ingestion Acute Exposure Effects: No known adverse effects, but ingestion not recommended.

Carcinogenicity: Contains the following chemicals which can cause cancer.

Ingredient	CAS#	Class Description	Regulation
Nickel	7440-02-0	Group 2B	International Agency for Research on Cancer
Nickel	7440-02-0	Anticipated Human Carcinogen	National Toxicology Program Carcinogens

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. Artificial respiration as needed. Obtain medical assistance.

Skin Contact: Wash affected areas with soap and water. Obtain medical assistance.

Eye Contact: Wash with large amounts of water. Obtain first aid and medical assistance, if needed.

Ingestion: Obtain medical assistance.

Section 5 - Fire Fighting Measures

Fire Fighting Procedures: Not Applicable.

Fire And Explosion Hazards: None.

Hazardous Products/Combustion: None.

Section 6 - Accidental Release Measures

Clean-Up: Follow normal clean up procedures.

Section 7 - Handling And Storage

Handling Precautions: (See ANSI Standard B7.1, Section 2)

1. The grinding wheel should be mounted with the arrow pointing in the direction of rotation.
2. Never work without safety equipment.
3. Never hold the material being ground in your hand, or secure it using with your leg or foot during grinding or sawing.
4. Keep a safe distance between operators and materials being ground during grinding.

5. Make sure that you are using the proper grind wheel specification for the material being ground.

Storage conditions: Keep away from humidity and excessive heat to prevent the grinding wheel from getting rusty and thermal shocks which may mechanically weaken products and create a safety risk when it's used.

Section 8 - Exposure Controls/Personal Protection

For safe grinding, follow all workplace regulations to include Federal and State regulations.

Ventilation system: recommended. See 29 CFR 1910.94 (ventilation), 29 CFR 1910.1000 (air contaminants), and 29 CFR 1910.134 (respirators)

Hand protection: protective gloves.

Skin protection: protective clothing.

Eye protection: safety goggles. See 29 CFR 1910.133

Dust protection: dust mask.

Ear protection: ear protector.

Section 9 - Physical And Chemical Properties

Appearance & Odor: Solid, metallic, and odorless.

Section 10 - Stability And Reactivity

BSL Grinding wheel is chemically stable under normal temperature and pressure.

Conditions to avoid: Keep away from humidity and excessive heat.

Materials to avoid: Strong acids and oxidizing agents.

Hazardous decomposition products: None.

Section 11 - Toxicological Information

LD50/LC50: Values are not appropriate or available.

Section 12 - Ecological Information

Product has no ecological effects when it's used or stored, but it's not recommended to release worn product into the environment without any proper treatment after its tool-life ends.

Section 13 - Disposal Considerations

Waste Disposal: Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.

Section 14 - Transport Information

No specific regulations for transportation are required. Make sure to protect products from damage during transportation.

Section 15 - Regulatory Information

Review specific national or local regulations.

Section 16 - Other Information

Disclaimer: The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, the manufacturer makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.