# Section 1 - Chemical Product and Company Identification

**Product / Chemical Name:**
Grinding Wheel (Brazed 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

<table>
<thead>
<tr>
<th>Chemical Name &amp; Common Names</th>
<th>CAS Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diamond</td>
<td>7782-40-3</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
</tr>
</tbody>
</table>

# 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.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS#</th>
<th>Class Description</th>
<th>Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>Group 2B</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>Anticipated Human Carcinogen</td>
<td>National Toxicology Program Carcinogens</td>
</tr>
</tbody>
</table>

# 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.


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.

© 2011 MK Diamond Products, Inc. All Rights Reserved. Images and specifications are subject to change without notice. Material Safety Data Sheet Diamond Blades (02/11)