SECTION 1 - Identification of the Product and Company

1.1 Product Name  Diamond Cup Wheels, Diamond Blades, and Diamond Core Bits
1.2 Product Use  Grinding, Blending, Cutting, and Drilling  SEE ANSI B7.1-2017
1.3 Company Details:  Flexovit USA Inc.
    Address:  1305 Eden-Evans Center Rd.
              Angola, NY  14006
    Phone:  1-716-549-5100
    Fax:  1-716-549-7932

SECTION 2 - Hazard Information

2.1 Precautionary statements
Avoid inhalation of dusts as well as prolonged and repeated contact with skin. Most diamond tools are used along with water to keep blades cool and to decrease airborne contaminants. For dry sawing, maintain adequate ventilation or use local exhaust.

2.2 Description of Hazards
Route of Entry: Inhalation: Yes
Route of Entry: Skin: No
Route of Entry: Ingestion: No
Long-term overexposure to dusts can lead to respiratory impairment. Dusts from materials being sawed/ground can cause irritation to eyes, nose, throat, and skin.

SECTION 3 - Composition

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Formula</th>
<th>% Weight</th>
<th>OSHA Regulated</th>
<th>Cas #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt</td>
<td>0-99</td>
<td>N/A</td>
<td>7440-48-4</td>
<td></td>
</tr>
<tr>
<td>Copper</td>
<td>0-80</td>
<td>N/A</td>
<td>7440-50-8</td>
<td></td>
</tr>
<tr>
<td>Tin</td>
<td>0-20</td>
<td>N/A</td>
<td>7440-31-5</td>
<td></td>
</tr>
<tr>
<td>Nickel</td>
<td>0-60</td>
<td>N/A</td>
<td>7440-02-0</td>
<td></td>
</tr>
<tr>
<td>Manganese</td>
<td>0-5</td>
<td>N/A</td>
<td>7439-96-5</td>
<td></td>
</tr>
<tr>
<td>Tungsten</td>
<td>0-30</td>
<td>N/A</td>
<td>7440-33-7</td>
<td></td>
</tr>
</tbody>
</table>
SECTION 4-First Aid

4.1 First Aid for exposure

Eyes: Flush with plenty of water. Do not rub eyes. If particles penetrate or become lodged in eye, do not attempt to remove. Cover both eyes to prevent natural movement. Obtain medical attention.

Skin: If irritation or rash occurs, remove contaminated clothing and shoes immediately. Wash with soap and water. Seek medical attention.

Inhalation: Remove from exposure area to fresh air. If breathing has stopped, perform emergency respiratory resuscitation. Get medical attention.

4.2 Signs and Symptoms of Exposure

Acute: Irritation, coughing, wheezing, shortness of breath

Chronic: Respiratory conditions

SECTION 5 - Fire Fighting Measures

5.1 Means Of Extinction: N/A

5.2 Unusual Fire or Explosion Hazards: N/A

Flammable Properties: N/A

5.3 Special Fire Fighting Procedures: N/A

SECTION 6 - Accidental Release Measures

N/A

SECTION 7- Storage, Handling and Use Procedures

7.1 Handling: Maintain good housekeeping practices to prevent accumulation of dust.

7.2 Storage: Store blades and wheels in a dry location.

SECTION 8- Personal Protective Control Measures

8.1 Exposure limits

<table>
<thead>
<tr>
<th>Chemical</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt</td>
<td>0.05mg/CUM</td>
<td>0.05mg/CUM</td>
</tr>
<tr>
<td>Copper</td>
<td>0.1mg/(cu)/m³ (FUME)</td>
<td>0.2mg/m³ (FUME)</td>
</tr>
<tr>
<td>Tin</td>
<td>2mg/CUM</td>
<td>2mg/CUM</td>
</tr>
<tr>
<td>Nickel</td>
<td>1mg/CUM</td>
<td>0.05mg/CUM IC</td>
</tr>
<tr>
<td>Manganese</td>
<td>5mg/CUM</td>
<td>5mg/CUM (DUST)</td>
</tr>
<tr>
<td>Tungsten</td>
<td>5mg/CUM</td>
<td>5mg/CUM</td>
</tr>
</tbody>
</table>

8.2 Personal protection requirements and referrals

Respiratory: Wear NIOSH approved respirator to maintain exposure below recommended limits and when dust and fumes cannot be controlled.

Ventilation: Natural/mechanically induced fresh air movements that maintain vapor levels below recommended exposure limits.

Protective Gloves: None normally required.

Eye Protection: Goggles, safety glasses with side shields.

Hearing Protection: No applicable information found.

Body Protection: No applicable information found.

Hygienic Practices: Practice good hygiene.
### SECTION 9- Physical/Chemical Characteristics

- **Boiling Point**: N/A
- **Specific Gravity**: 7.8-12.4
- **Vapor Pressure**: (mm Hg.) N/A
- **Vapor Density**: (AIR=1) N/A
- **Solubility in Water**: Insoluble
- **Appearance**: Solid
- **Lower And Upper Explosion Limits**: N/A
- **Odor**: No odor
- **Flammable Limits**: N/A
- **Degradation Temperature**: N/A
- **Flash Point**: N/A

### SECTION 10 - Stability and Reactivity Data

- **Stability**: Yes
- **Conditions to Avoid**: No applicable information found
- **Material to Avoid**: No applicable information found
- **Hazardous Decomposition or Byproducts**: None expected
- **Hazardous Polymerization**: Will not occur

### SECTION 11 - Toxicological Data

#### 11.1 Component information

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Short term effects</th>
<th>Long term effects</th>
<th>Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt</td>
<td>Respiratory irritation</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>Copper</td>
<td>Nose, throat and skin irritation</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>Tin</td>
<td>Eye, skin, and respiratory irritation</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>Nickel</td>
<td>Respiratory irritation</td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Manganese</td>
<td>Headache</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>Tungsten</td>
<td>Respiratory irritation</td>
<td>N</td>
<td></td>
</tr>
</tbody>
</table>

#### 11.2 Route(s) of Entry and symptoms of exposure

See section 4.2

### Section 12-Ecological Information

No applicable information found.

### Section 13-Disposal Considerations

May generally be disposed of in a landfill. Follow federal, state, and local environmental regulations.

### Section 14-Transport Information

No applicable information found.

### Section 15-Regulatory Information

California Proposition 65: WARNING! You create dust when you cut, sand, drill or grind materials such as wood, paint, cement, masonry or metal. This dust often contains chemicals known to cause cancer, birth defects or other reproductive harm.
COMPANY USE

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