1.1 Product Name: Bench Grinder Wheels (Aluminum Oxide and Silicon Carbide)

1.2 Product Use: Grinding and Sharpening. See ANSI B7.1-2010

1.3 Company Details: Flexovit Abrasives Inc.
- Address: 1305 Eden-Evans Center Rd.
- Angola, NY 14006
- Phone: 1-716-549-5100
- Fax: 1-716-549-7932

2.1 Precautionary statements
- Follow ANSI Safety Code B 7.1 for the use, care and protection of abrasive wheels

2.2 Description of Hazards
- Coughing, shortness of breath
- Eye and skin irritation

3.1 Ingredient: Aluminum Oxide
- Formula: +0.50%
- OSHA Regulated: N/A
- CAS #: 1344-28-1

3.2 Ingredient: Silicon Carbide
- Formula: +0.50%
- OSHA Regulated: N/A
- CAS #: 409-21-2

4.1 First Aid for exposure
- Emergency and First Aid Procedures:
  - Inhalation overexposure: remove to fresh air and contact physician if needed
  - Skin contact: wash affected areas with soap and water, obtain medical assistance if needed
  - Eye contact: wash with water, obtain medical assistance if needed
  - Ingestion: no known adverse effects, but advisable to obtain medical assistance

4.2 Signs and Symptoms of Exposure
- Inhalation: coughing, shortness of breath
- Eye and skin irritation

- Routes of Entry: Inhalation, Skin

- Health Hazards (Acute and Chronic): May affect breathing capacity
SECTION 5 - Fire Fighting Measures

5.1 Means Of Extinction: Water

5.2 Unusual Fire or Explosion Hazards: None, does not burn or explode

5.3 Special Fire Fighting Procedures: None

SECTION 6 - Accidental Release Measures

Ventilate area and collect material in safe manner.

SECTION 7 - Storage, Handling and Use Procedures

7.1 Handling: Avoid mechanic damage, handle and store in accordance with ANSI B 7.1

Inspect wheel prior to mounting

Make sure machine speed is compatible to speed of wheel

7.2 Storage: In accordance with ANSI B 7.1

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>Aluminum Oxide</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>A, 94A, PA, 83A, WA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AZ, RA, 91A, 32A, VA, WAG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silicon Carbide</td>
<td>10 mg/m³</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>72C, 74C, C, GC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2 Personal protection requirements and referrals

Respiratory: Approved dust respirators required, see OSHA 29 CFR 1910-134

Ventilation: Local exhaust required. Mechanical (general) - recommended.

Protective Gloves: As desired by operator

Eye Protection: Required, see OSHA CFR 1910-133

Hearing Protection: Where required, see OSHA 29 CFR 1910-134

Body Protection: Apron (if applicable). Face Shield

Hygienic Practices: Practice good hygiene

SECTION 9 - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.7-2.5</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density (AIR=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance</td>
<td>Solid</td>
</tr>
<tr>
<td>Lower And Upper Explosion Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor in use</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>Degradation Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>N/A</td>
</tr>
</tbody>
</table>
SECTION 10 - Stability and Reactivity Data

Stability: Stable

Incompatibility (Materials To Avoid): Avoid strong acids of all types with pH<4.0

Hazardous Polymerization: Will not occur

Hazardous Byproducts: Grinding dust may produce respiratory hazard

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>Aluminum Oxide</td>
<td></td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>A,94A, PA, 83A, WA</td>
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</tr>
<tr>
<td>Silicon Carbide</td>
<td></td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>72C, 74C, C, GC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11.2 Route(s) of Entry and symptoms of exposure

See section 4.2

Section 12-Ecological Information
N/A

Section 13-Disposal Considerations
Standard landfill methods with federal, state and local laws.

Section 14-Transport Information
N/A

Section 15-Regulatory Information
No Data Available

Section 16-Other Information

SDS Revision Date: September 1, 2017

Reason for Update: Mandated Update

Preparation By: FlexOvit USA

COMPANY USE

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