Flexovit USA Inc

SAFETY DATA SHEET

SECTION 1 - Identification of the Product and Company

1.1 Product Name          Sanding Discs (Resin Fiber Aluminum Oxide, Zirconia and Ceramic)
1.2 Product Use           Grinding, Blending, and Finishing
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
Steps to be taken in case material is released or spilled: Normal clean up procedure.
Waste disposal method: Standard landfill methods consistent with applicable Federal, State and Local laws.
Precautions to be taken in handling and storage: During storage, occasionally a formaldehyde or phenolic resin odor may be released.
Other Precautions: **N/A

2.2 Description of Hazards

<table>
<thead>
<tr>
<th>Primary Route(s) of Entry</th>
<th>Acute and Chronic Health Effects and Effects of Overexposure</th>
<th>First Aid and Medical Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation (While Grinding)</td>
<td>Acute: May cause coughing, shortness of breath(dust). Chronic: May effect breathing capacity.</td>
<td>Remove to fresh air, Apply artificial respiration as needed. Obtain first aid or medical assistance.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known adverse affects, but ingestion not recommended.</td>
<td>Obtain first aid or medical assistance.</td>
</tr>
<tr>
<td>Skin (contact and absorption)</td>
<td>Not absorbed through skin; may cause abrasions.</td>
<td>Obtain first aid or medical assistance.</td>
</tr>
<tr>
<td>Eye</td>
<td>Dust may irritate eyes</td>
<td>Wash with large amounts of water. Obtain first aid or medical assistance.</td>
</tr>
<tr>
<td>Other Potential Health Risks</td>
<td>On some grinding, elevated sound levels may be created which could affect hearing.</td>
<td>Obtain medical assistance.</td>
</tr>
</tbody>
</table>

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>VULCANIZED FIBER</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>ALUMINUM OXIDE</td>
<td>Al₂O₃</td>
<td>15-30</td>
<td>15 mg/m³</td>
<td>1344-28-1</td>
</tr>
<tr>
<td>Ceramic Abrasive grain</td>
<td>10.0-50</td>
<td>15 mg/m³</td>
<td>1344-28-1</td>
<td></td>
</tr>
<tr>
<td>ZIRCONIA ALUMINA</td>
<td>ZrO₂</td>
<td>10.0-50</td>
<td>15 mg/m³</td>
<td>1344-28-1</td>
</tr>
<tr>
<td>BINDER SYSTEM</td>
<td>13-25</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>CRYOLITE</td>
<td>Na₃Al₅F₁₂</td>
<td>6.0-20</td>
<td>15 mg/m³</td>
<td>15096-523</td>
</tr>
<tr>
<td>POTASSIUM FLUOROBORATE</td>
<td>KBF₄</td>
<td>3.0-10</td>
<td>2.5 mg/m³</td>
<td>14075-53-7</td>
</tr>
</tbody>
</table>
4.1 First Aid for Exposure
Medical Conditions generally aggravated by exposure

Emergency and First Aid Procedure:
Remove to fresh air if needed, wash eyes with water, obtain first aid or medical assistance

4.2 Signs and Symptoms of Exposure
Could cause coughing and shortness of breath due to dust, may affect breathing.
May cause abrasion on skin.
Dust may irritate eyes.

Emergency and First Aid Procedure:
Remove to fresh air if needed, wash eyes with water, obtain first aid or medical assistance

SECTION 5 - Fire Fighting Measures

5.1 Means Of Extinction: N/A
5.2 Unusual Fire or Explosion Hazards: None
Flammable Properties: LEL: N/A  UEL: N/A
5.3 Special Fire Fighting Procedures: Fibre and Resin material will burn and decompose

SECTION 6 - Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: N/A

SECTION 7- Storage, Handling and Use Procedures

7.1 Handling: OSHA 29cC FR 1910-94 (ventilation) and OSHA 29C FR 1910.1000 (air contaminates)
7.2 Storage: Away from heat source. Ideally at 35% - 50% RH and 60 - 70 deg. F with ventilation.

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 Al2o3</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Ceramic Abrasive grain</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>ZIRCONIA ALUMINA ZrO2</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>BINDER SYSTEM</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>CRYOLITE Na3AlF6</td>
<td>15 mg/m³</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>POTASSIUM FLUOROBORATE KBF4</td>
<td>2.5 mg/m³ as F</td>
<td>2.5 mg/m³ as F</td>
</tr>
</tbody>
</table>

8.2 Personal protection requirements and referrals
Respiratory: As needed, approved dust respiratory (OSHA 24 CFR 1910.134)
Ventilation: Local Exhaust: Required Mechanical (General): Recommended Special: **N/A Other: **N/A
Protective Gloves: Recommended
Eye Protection: Recommended OSHA 29 CFR 1910.133 (Face & Eye Protection)
Hearing Protection: Recommended
Body Protection: Protective clothing must be worn when operating abrasive products.
Hygienic Practices: N/A

SECTION 9- Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Specific Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
**Vapor Pressure (mm Hg.)** N/A  
**Melting Point** N/A  
**Vapor Density (AIR=1)** N/A  
**Evaporation Rate (Butyl Acetate=1)** N/A  
**Solubility in Water** N/A  
**Appearance** Odor Odorless  
**Lower And Upper Explosion Limits** N/A  
**Flammable Limits** N/A  
**Flash Point** N/A  
**Degradation Temperature**

### SECTION 10 - Stability and Reactivity Data

**Stable:** No applicable information found  
**Incompatibility (Materials to Avoid):** N/A  
**Hazardous Decomposition or Byproducts:** During use, dust and fumes are generated, generally more from material being ground.  
**Hazardous Polymerization:** Will not occur. No applicable information found.

### 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 (AL2O3)</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>(Alpha Aluminia)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zirconia Alumnia (ZrO2)</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>(Zirconia Oxide)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Aluminate fluoride (Na3AlF6)</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Potassium tetrfluoroborate (KBF4)</td>
<td>None</td>
<td>None</td>
<td>None</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

Waste Disposal Method  
No special procedure required, standard landfill consistent with applicable federal, state, and local laws.

### Section 14-Transport Information

Precautions to be Taken in Handling and Storage  
Handling: OSHA 29cC FR 1910-94 (ventilation) and OSHA 29C FR 1910.1000 (air contaminates)

### 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.

### Section 16-Other Information

SDS Revision Date: October 1 2023
Reason for Update: Mandated Update
Preparation By: FlexOvit USA

COMPANY USE:

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