1.1 Product Name: Flap Disc, Type 29 and 27 FIBERGLASS BACK
1.2 Product Use: For light material removal, blending and polishing 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

2.1 Precautionary statements
   Wear Respirator, eye protection, and protective clothing when using product
   Product will produce sparks and debris when in use, avoid using product near reactive
   or flammable substances or electrical equipment
   Discard if product comes in contact with water

2.2 Description of Hazards
   Wheel dust is a respiratory irritant
   Wheel dust and fiberglass reinforcement is a skin irritant

   Fiberglass
   Fiberglass in wheels have a diameter larger than 10 um and are considered non-respirable.

   Phenol-formaldehyde Coating
   Chronic health effect: Excessive exposure can cause skin sensitization and decreased lung capacity
   Eye Contact: Can cause eye irritation
   Skin Contact: Can cause skin irritation
   Inhalation can cause irritation to mucous membranes and respiratory tracts.
   Ingestion: Coating contains cryolite. Large doses of cryolite can cause severe nausea, vomiting,
   diarrhea, abdominal burning and cramp-like pains.
SECTION 3 - Composition

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Formula</th>
<th>% Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>Al₂O₃</td>
<td>15-30</td>
</tr>
<tr>
<td>Zirconium Oxide</td>
<td>ZrO₂</td>
<td>0-15</td>
</tr>
<tr>
<td>Cured Phenolic Resin</td>
<td></td>
<td>0-20</td>
</tr>
<tr>
<td>Cryolite</td>
<td>Na₃AlF₆</td>
<td>0-15</td>
</tr>
<tr>
<td>Cured Epoxy Resin</td>
<td></td>
<td>15-20</td>
</tr>
<tr>
<td>Polycotton Cloth</td>
<td></td>
<td>13-17</td>
</tr>
<tr>
<td>Fiberglass Backing</td>
<td></td>
<td>39-50</td>
</tr>
<tr>
<td>Zinc</td>
<td>Zn</td>
<td>0-50</td>
</tr>
</tbody>
</table>

SECTION 4 - First Aid

4.1 First Aid for exposure

Dust Inhalation: Terminate exposure and remove to fresh air. Obtain medical assistance.
Ingestion: Obtain medical assistance.
Absorption: N/A
Skin contact: Terminate exposure and flush with water. Obtain medical assistance.
Eye: Flush eyes with water

4.2 Signs and Symptoms of Exposure

Acute: May cause coughing and shortness of breath during grinding.
Skin irritation.
Eye irritation.
Chronic: Decreased lung capacity

SECTION 5 - Fire Fighting Measures

5.1 Means Of Extinction: Water or carbon dioxide
5.2 Unusual Fire or Explosion Hazards: None
   Flammable Properties: None
5.3 Special Fire Fighting Procedures: Consult NFPA or CFPA proced
Normal clean up procedures should be used if material is released.
Gloves and a respirator are recommended to clean up used material.

7.1 Handling: Avoid damage to wheel. Do not drop. Do not use a wheel that has been damage
Always handle in accordance with ANSI B7.1.

7.2 Storage: Avoid excessive temperatures in storage. Store in a dry area. Discard if wheel ge!

SECTION 8- Personal Protective Control Measures

8.1 Exposure limits

<table>
<thead>
<tr>
<th>Chemical</th>
<th>OSHA PEL</th>
<th>ACGIH T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>15 mg/m³ (5 mg/m³ respirable)</td>
<td>1 mg/m³ (as alum</td>
</tr>
<tr>
<td>Zirconium Oxide</td>
<td>NA</td>
<td>5 mg/m³ (as zircon)</td>
</tr>
<tr>
<td>Phenolic resin</td>
<td>5 ppm</td>
<td>5 ppm</td>
</tr>
<tr>
<td>Cryolite</td>
<td>2.5 mg/m³</td>
<td>2.5 mg/m³ (As F)</td>
</tr>
<tr>
<td>Fiber glass</td>
<td>15 mg/m³ (5 mg/m³ respirable)</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

8.2 Personal protection requirements and referrals

Respiratory: OSHA/NIOSH approved respirator.
See OSHA 29 CFR 1910.134/European Standard EN 149

Ventilation: Engineering Controls recommended.
See ANSI Z43.1. Refer to OSHA 29 CFR 1910.94.

Protective Gloves: Leather gloves

Eye Protection: Protective eyewear such as safety glasses or face shield.
Refer to OSHA 29 CFR 1910.133.

Hearing protection such as approved ear muffs or ear plugs.

Hearing Protection: Refer to OSHA 29 CFR 1910.95.

Body Protection: Leather apron, chaps, or shoe coverings to shield from spark showers in operation

Hygienic Practices: Wash with soap and water after handling and grinding.

SECTION 9- Physical/Chemical Characteristics

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

SECTION 10 - Stability and Reactivity Data
Avoid excessive moisture and humidity, temperature extremes and contact with acids or solvents
Not incompatible with any materials
No known hazardous reactions will occur
At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated.

SECTION 11 - Toxicological Data

11.1 Acute Toxicity Data

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Route of Exposure</th>
<th>Acute LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>oral</td>
<td>&gt;5000 mg/kg (rat)</td>
</tr>
<tr>
<td>Zirconium Oxide</td>
<td>oral</td>
<td>&gt;8800 mg/kg (mouse)</td>
</tr>
<tr>
<td>Cryolite</td>
<td>oral</td>
<td>&gt;5000 mg/kg (rat)</td>
</tr>
</tbody>
</table>

11.2 Toxological Effects

Dust Inhalation: Coughing and shortness of breath, decreased lung capacity, aggravation of medical conditions such as asthma or emphysema
Ingestion: Large quantity consumption can cause stomach pain
Absorption: N/A
Skin contact: Grinding wheel may cause abrasions
Dust may cause skin irritation
Eye: Dust or fumes may cause eye irritation
Carcinogenicity: Cured phenolic resin contains trace amounts of formaldehyde.
Formaldehyde is a recognized carcinogen by US HTP
Mutagenicity: Unknown
Reproductive Effects: Unknown

Section 12-Ecological Information

No Data Available

Section 13-Disposal Considerations

Dispose in accordance to local and federal regulations

Section 14-Transport Information

Not regulated as a hazardous material for transport

Section 15-Regulatory Information

SARA 311/312: N/A

SARA 313: N/A

Canadian WHIMIS Classification: N/A

California Proposition 65: "WARNING: Dust is created when grinding materials such as metal ceramics, paint, cement and masonry. Dust created from these processes may contain chemicals known to the state of California to cause cancer or harmful birth defects."

Section 16-Other Information

SDS Revision Date: October 27, 2023
Reason for Update: Mandated Update
Preparation By: FlexOvit USA

COMPANY USE

The information and recommendations set forth herein are taken from sources and references believed to be accurate and complete as of the date hereof. However, Flexovit Abrasives makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.
### Section 3 - Composition

<table>
<thead>
<tr>
<th>Cas #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1344-28-1</td>
</tr>
<tr>
<td>1314-23-4</td>
</tr>
<tr>
<td>9003-35-4</td>
</tr>
<tr>
<td>15096-52-3</td>
</tr>
<tr>
<td>24969-06-0</td>
</tr>
<tr>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
</tr>
<tr>
<td>N/A</td>
</tr>
<tr>
<td>7440-66-6</td>
</tr>
</tbody>
</table>
N/A
N/A
Dark colored solid plastic
~ 800 F (427 C)