1.1 Product Name: Sandpaper Sheets (Alum Oxide and Silicon Carbide) and Shop and Plumber Rolls (Alum Oxide)

1.2 Product Use: Sanding, Cleaning, and Finishing (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
   No applicable hazard labels, signal words or pictograms.
   Sanding dusts may cause irritation, coughing, shortness of breath. May affect breathing capacity.
   Determine the hazard potential of materials being abraded by referring to MSDS or SDS for associated materials.

3.0 SECTION 3 - Composition (may contain one or more of the following ingredients)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Formula</th>
<th>% Weight</th>
<th>OSHA 8 hr PEL</th>
<th>Cas #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cured Phenol Formaldehyde Resin</td>
<td></td>
<td>5-30%</td>
<td>15 mg/m³</td>
<td>NA</td>
</tr>
<tr>
<td>Cured Urea Formaldehyde Resin</td>
<td></td>
<td>5-30%</td>
<td>15 mg/m³</td>
<td>NA</td>
</tr>
<tr>
<td>Limestone</td>
<td></td>
<td>0-25%</td>
<td>15 mg/m³</td>
<td>CAS 001317-65-3</td>
</tr>
<tr>
<td>Kaolin Clay</td>
<td></td>
<td>0-15%</td>
<td>15 mg/m³</td>
<td>CAS 1332-58-7</td>
</tr>
<tr>
<td>Cotton or Polyester Cloth or paper backing</td>
<td></td>
<td>0-30%</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

4.1 First Aid for exposure
Remove to fresh air, apply artificial respiration if needed. In case of eye contact, flush with large amounts of water. Obtain medical assistance if needed.

4.2 Signs and Symptoms of Exposure
Skin or eye irritation, coughing, shortness of breath.

Page 1
SECTION 5 - Fire Fighting Measures

5.1 Means Of Extinction: Water, CO_2 or Dry Chemical fire extinguisher

5.2 Unusual Fire or Explosion Hazards: None

5.3 Flammable Properties: Does not readily support combustion

5.4 Special Fire Fighting Procedures: No special procedures required

SECTION 6 - Accidental Release Measures

Not Applicable

SECTION 7 - Storage, Handling and Use Procedures

7.1 Handling: Standard industrial practices apply

7.2 Storage: Keep abrasive products dry. Avoid temperature and humidity extremes.

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>Silicon Carbide</td>
<td>15 mg/m³</td>
<td>10 mg/m³ (inhalable fraction)</td>
</tr>
<tr>
<td>Cured Phenol</td>
<td>15 mg/m³</td>
<td>Not established</td>
</tr>
<tr>
<td>Formaldehyde Resin</td>
<td>15 mg/m³</td>
<td>Not established</td>
</tr>
<tr>
<td>Cured Urea Formaldehyde Resin</td>
<td>15 mg/m³</td>
<td>Not established</td>
</tr>
<tr>
<td>Limestone</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Kaolin Clay</td>
<td>15 mg/m³</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Cotton or Polyester Cloth backing</td>
<td>NA</td>
<td>Not established</td>
</tr>
</tbody>
</table>

8.2 Personal protection requirements and referrals

Respiratory Protection:

Use NIOSH approved respirator if exposure limits are exceeded or where dust exposures are excessive. Consider the potential for exposure to components of the coatings or base material being abraded or prepared in selecting proper respiratory protection. Refer to OSHA’s specific standards for lead, cadmium, which may be found in coatings and material being abraded. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use respirators in accordance with OSHA 1910.134 and prudent industrial hygiene practice.

Ventilation:

Use local exhaust or general ventilation as required to minimize exposure to dust and maintain levels of contaminants lower than the established threshold limit values.

Protective Gloves:

Cloth, leather or other gloves to protect from abrasion and heat generated during grinding.

Eye Protection:

Safety glasses with side shields or goggles are recommended.

Hearing Protection:

Recommended when power tools are in use.

Body Protection:

Recommended when power tools are in use.

Hygienic Practices:

Use soap and water to remove dusts from person prior to eating or drinking. Protect food, drink and other consumables from dust contamination.
### SECTION 9 - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>Not Applicable</td>
<td>Specific Gravity</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>(mm Hg.) Not Applicable</td>
<td>Melting Point</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>(AI/R=1) Not Applicable</td>
<td>Evaporation Rate</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Paper backing disintegrates in water</td>
<td>Appearance</td>
</tr>
<tr>
<td>Lower And Upper Explosion Limits</td>
<td>Not Applicable</td>
<td>Odor</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Not Applicable</td>
<td>Degradation Temperature</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not Applicable</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 10 - Stability and Reactivity Data

- **Stability:** Stable
- **Incompatibility:** None known.

**Hazardous Decomposition Products:** Dust from sanding could contain ingredients listed in Section 2 and other, potentially more hazardous components of the base material being sanded or coatings applied to the base material.

**Hazardous Polymerization:** Will not occur.

### SECTION 11 - Toxicological Data

11.1 **Component information**

- **Ingestion:** None expected under normal use conditions. Swallowing large pieces may cause obstruction.
- **Eye:** Dust may cause eye irritation. Dust or abrasive particles may cause abrasive injury to the eyes.
- **Skin:** None expected under normal use conditions. Contact with skin may cause removal of skin (abrasions).
- **Sensitization:** Not expected under normal use conditions.
- **Chronic:** Long term overexposure to dust may cause lung damage, decrease in lung function. Elevated noise levels from power equipment and other machinery may result in hearing loss. A significant toxicological hazard is presented by potentially hazardous materials being removed or abraded.
- **Carcinogenicity:** None of the components are listed as a carcinogen or potential carcinogen by OSHA, NTP or IARC.

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

See section 4.2

### Section 12-Ecological Information

This product is not expected to be hazardous for the environment. No specific ecotoxicity data is available for this product.

### Section 13-Disposal Considerations

Dispose in accordance with all applicable local, state/provincial and federal regulations.

### Section 14-Transport Information

- **DOT Hazardous Materials Description:**
  - **Proper Shipping Name:** Not Regulated
  - **UN Number:** None
  - **Hazard Class/Packing Group:** None
  - **Labels Required:** None
### Section 15-Regulatory Information

**SARA Section 311/312 Hazard Categories:** Not Applicable  
**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.  
**Canadian WHMIS Classification:** Not a controlled product. This product meets the definition of a "manufactured article" under the WHMIS regulations.

### Section 16-Other Information

**SDS Revision Date:** September 1, 2017  
**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 USA, Inc 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.