

# FLEXOVIT USA INC.

## SAFETY DATA SHEET

### SECTION 1 - Identification of the Product and Company

1.1 Product Name Sanding Discs (Resin Fiber Alum Oxide and Zirconia Alumina and Trim-Kut Alum Oxide)  
 1.2 Product Use Grinding, Blending, and Finishing  
 1.3 Company Details: **Flexovit Abrasives Inc.**  
 Address: 1305 Eden-Evans Center Rd.  
 Angola, NY 14006  
 Phone: 1-716-549-5100  
 Fax: 1-716-549-4078

### 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

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

### SECTION 3 - Composition

Ingredient	Formula	% Weight	OSHA Regulated	Cas #
Hazardous Components (Specific Chemical Identity; Common Name(s))				
VULCANIZED FIBER		30-60	N/A	N/A
ALUMINUM OXIDE	Al <sub>2</sub> O <sub>3</sub>	15-30	15 mg/m <sup>3</sup>	1344-28-1
Ceramic Abrasive grain		10.-50	15 mg/m <sup>3</sup>	1344-28-1
ZIRCONIA ALUMINA	ZrO <sub>2</sub>	10.-50	15 mg/m <sup>3</sup>	1344-28-1
BINDER SYSTEM		13-25	N/A	N/A
CRYOLITE	Na <sub>3</sub> AlF <sub>6</sub>	6.0-20	15 mg/m <sup>3</sup>	15096-523
POTASSIUM FLUOROBORATE	KBF <sub>4</sub>	3.0-10	2.5 mg/m <sup>3</sup>	14075-53-7

## SECTION 4-First Aid

### 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

<u>Chemical</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
ALUMINUM OXIDE Al <sub>2</sub> O <sub>3</sub>	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Ceramic Abrasive grain	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
ZIRCONIA ALUMINA ZrO <sub>2</sub>	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
BINDER SYSTEM	N/A	N/A
CRYOLITE Na <sub>3</sub> AlF <sub>6</sub>	15 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>
POTASSIUM FLUOROBORATE KBF <sub>4</sub>	2.5 mg/m <sup>3</sup> as F	2.5 mg/m <sup>3</sup> as F

### 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**

Boiling Point	N/A	Specific Gravity	N/A
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	
Lower And Upper Explosion Limits		Odor	Odorless
Flammable Limits	N/A	Degradation Temperature	
Flash Point	N/A		

**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**

<u>Chemical</u>	<u>Short term effects</u>	<u>Long term effects</u>	<u>Carcinogen</u>
Aluminum Oxide (AL2O3) (Alpha Alumina)	None	None	None
Zirconia Alumina (ZrO2) (Zirconia Oxide)	None	None	None
Sodium Aluminum Fluoride (Na3AlF6)	None	None	None
Potassium tetrafluoroborate (KBF4)	None	None	None

**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**

N/A

**Section 16-Other Information**

**SDS Revision Date:** August 4, 2014

**Reason for Update:** Mandated Update

**Preparation By:** Laurie Siraguso

**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.