

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 see ANSI B7.1-2010
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

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

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