

FLEXOVIT USA INC.

SAFETY DATA SHEET

SECTION 1 - Identification of the Product and Company

- 1.1** Product Name: Flap Disc, Type 29 and 27
- 1.2** Product Use: For light material removal, blending and polishing
- 1.3** Company Details: **Flexovit Abrasives Inc.**
Address 1305 Eden-Evans Center Rd.
Angola, NY 14006
Phone 1-716-549-5100
Fax 1-800-690-0144

SECTION 2 - Hazard Information

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

Respiratory Wheel dust is a respiratory irritant

Skin Wheel dust and fiberglass reinforcement is a skin irritant

Ingestion Acute product toxicity unknown

Eyes Wheel dust is an eye irritant

Hazard Status This product is classified as non hazardous under OSHA HCS 29 CFR 1910.1200

SECTION 3 - Composition

<u>Ingredient</u>	<u>Formula</u>	<u>% Weight</u>	<u>OSHA Regulated</u>	<u>Cas #</u>
Aluminum Oxide	Al ₂ O ₃	15-30	No	1344-28-1
Zirconium Oxide	ZrO ₂	0-15	No	1314-23-4
Coating Filler		0-15	No	15096-52-3
Cloth				
Cured resin		15-20	No	
Fiberglass backing		39-50	No	65997-17-3
Zinc	Zn	N/A	No	7440-66-6

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 remove to fresh air. 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 procedures

SECTION 6 - Accidental Release Measures

Normal clean up procedures should be used if material is released.
Gloves and a respirator are recommended to clean up used material.

SECTION 7- Storage, Handling and Use Procedures

7.1	Handling:	Avoid damage to wheel. Do not drop. Do not use a wheel that has been damaged. Always handle in accordance with ANSI B7.1.
7.2	Storage:	Avoid excessive temperatures in storage. Store in a dry area. Discard if wheel gets wet.

SECTION 8- Personal Protective Control Measures

8.1 Exposure limits

Chemical	OSHA PEL	ACGIH TLV
Aluminum Oxide	15 mg/m ³	10mg/m ³
Zirconium Oxide	N/A	10mg/m ³
cured resin	N/A	N/A
Cloth	N/A	N/A
Fiber Glass	5mg/m ³	10mg/m ³
Cryolite	2.5mg/m ³	2.5mg/m ³ (As F)

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:	Hearing protection such as approved ear muffs or ear plugs. Refer to OSHA 29 CFR 1910.95.
Body Protection:	Leather apron, chaps, or shoe coverings to shield from heavy spark showers in operation.
Hygienic Practices:	Wash with soap and water after handling and grinding.

SECTION 9- Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity	2 - 4
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	Slight	Appearance	Dark colored solid
Lower And Upper Explosion Limits	N/A	Odor	plastic
Flammable Limits	N/A	Degradation Temperature	Starts at 250 °C
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

<u>Chemical</u>	<u>Route of Exposure</u>	<u>Acute LD50</u>
Aluminum Oxide	oral	>5000 mg/kg (rat)
Zirconium Oxide	oral	>8800 mg/kg (mouse)
cured resin	N/A	N/A
Cloth	N/A	N/A
Fiberglass	N/A	N/A
Cryolite	oral	>5000 mg/kg (rat)

11.2 Toxological Effects

Dust Inhalation	Coughing and shortness of breath, aggravation, decreased lung capacity 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	Unknown
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

No Data Available

Section 16-Other Information

SDS Revision Date: November 1, 2014

Reason for Update: Madated 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.