

# FLEXOVIT USA INC.

## SAFETY DATA SHEET

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

- 1.1 Product Name: Flap Disc, Type 29 and 27 Polymer 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

### 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

Wheel dust is a respiratory irritant.

Wheel dust is a skin irritant.

#### 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

<u>Ingredient</u>	<u>Formula</u>	<u>% Weight</u>	<u>Cas #</u>
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	15-30	1344-28-1
Zirconium Oxide	ZrO <sub>2</sub>	0-15	1314-23-4
Cured Phenolic resin		0-20	-
Cryolite	Na <sub>3</sub> AlF <sub>6</sub>	0-15	15096-52-3
Cured epoxy resin		15-20	-
polycotton Cloth		13-17	-
polyamide backing		39-50	-

#### 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

<b>5.1 Means Of Extinction:</b>	Water or carbon dioxide
<b>5.2 Unusual Fire or Explosion Hazards:</b>	None
<b>Flammable Properties:</b>	none
<b>5.3 Special Fire Fighting Procedures:</b>	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

<b>7.1 Handling:</b>	Avoid damage to wheel. Do not drop. Do not use a wheel that has been damaged.
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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.
- 7.3 Use:** Use in accordance with regulations and standards.

## SECTION 8- Personal Protective Control Measures

### 8.1 Exposure limits

Chemical	OSHA PEL	ACGIH TLV
Aluminum Oxide	15 mg/m <sup>3</sup> (5 mg/m <sup>3</sup> respirable)	1 mg/m <sup>3</sup> (as aluminum)
Zirconium Oxide	NA	5 mg/m <sup>3</sup> (as zirconium)
Phenolic resin (as phenol)	5 ppm	5 ppm
Cryolite	2.5mg/m <sup>3</sup>	2.5mg/m <sup>3</sup> (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 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

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	N/A	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)
Cryolite	oral	>5000 mg/kg (rat)

### 11.2 Toxicological 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

**United States**

**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."

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**Section 16-Other Information**

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**SDS Revision Date:** September 1, 2020

**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.