

FLEXOVIT USA INC.

SAFETY DATA SHEET

SECTION 1 - Identification of the Product and Company

1.1 Product Name Resin Bonded Plugs and Cones
1.2 Product Use Grinding and Snagging
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

2.2 Description of Hazards

(Applicable during the grinding, sawing and rubbing processes)

Health Hazards (acute and chronic)

Ingestion: No known acute effects

Skin: Dust or chips may cause cuts, abrasions or allergic reactions

Inhalation: Potential irritation and congestion of air passages

Eye: Potential irritation by abrasion with dust or chips

SECTION 3 - Composition

| <u>Ingredient</u> | <u>Formula</u> | <u>% Weight</u> | <u>OSHA Regulated</u> | <u>Cas #</u> |
|---------------------------|----------------|-----------------|-----------------------|----------------|
| Cryolite 2-50 | | | | 15096-52-3 |
| Potassium Flouborate 2-50 | | | | 14075-53-7 |
| Lime 2-50 | | | | 1305 -78 – 8 |
| Phen Resin 2-50 | | | | 108 – 95 – 2 |
| Furfural 2-50 | | | | 98 – 01 – 1 |
| Iron Pyrites 2-50 | | | | 12068 – 85 – 8 |
| Silicon Carbide | | 0-98 | | 409 – 21 – 2 |
| Aluminum Oxide | | 0-98 | | 1344 – 28 – 1 |

SECTION 4 - First Aid

4.1 First Aid for exposure

Inhalation: Move victim into fresh air
Eyes: Flush eyes for 15 minutes
Ingestion: Do not induce vomiting, seek medical attention

4.2 Signs and Symptoms of Exposure

Shortness of breath, coughing

SECTION 5 - Fire Fighting Measures

- 5.1 Means Of Extinction: Same media of surrounding area
- 5.2 Unusual Fire or Explosion Hazards: Dust generated by the abrasive products may be explosive in the correct air/dust ratio
- Flammable Properties: None flammable
- 5.3 Special Fire Fighting Procedures: Firefighters should wear self contained breathing apparatus
Avoid inhalation of smoke

SECTION 6 - Accidental Release Measures

N/A

SECTION 7 - Storage, Handling and Use Procedures

- 7.1 Handling: None
- 7.2 Storage: None

SECTION 8 - Personal Protective Control Measures

8.1 Exposure limits

| Chemical | OSHA PEL | ACGIH TLV |
|----------------------|----------------------|----------------------|
| Cryolite | NA | 2.5mg/m ³ |
| Potassium Flouborate | 2.3mg/m ³ | 2.5mg/m ³ |
| Lime | 5mg/m ³ | 2mg/m ³ |
| Phen Resin | 19mg/m ³ | 5PPM |
| Furfural | 5PPM (skin) | 2PPM (skin) |
| Iron Pyrites | 10mg/m ³ | 5mg/m ³ |
| Silicon Carbide | 15mg/m ³ | 10mg/m ³ |
| Aluminum Oxide | 15mg/m ³ | 20mg/m ³ |

8.2 Personal protection requirements and referrals

Respiratory: NIOSH and/or MSHA approved respirator classified for nuisance dust

Ventilation:

Protective Gloves: May be required by specific grinding operations

Eye Protection: Safety glasses

Hearing Protection: Not required

Body Protection: As requited by specific grinding operations

Hygienic Practices: Normal washing and hygiene practices

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 | (A/R=1) | N/A | Evaporation Rate (Butyl Acetate=1) | N/A |
| Solubility in Water | | N/A | Appearance | Solid abrasive product |
| Lower And Upper Explosion Limits | | N/A | Odor | No odor |
| Flammable Limits | | | Degradation Temperature | N/A |
| Flash Point | None Flammable | | | |

SECTION 10 - Stability and Reactivity Data

Stable

Hazardous Polymerization will not occur

Conditions to Avoid: None

SECTION 11 - Toxicological Data**11.1 Component information**

| <u>Chemical</u> | <u>Short term effects</u> | <u>Long term effects</u> | <u>Carcinogen</u> |
|----------------------|---------------------------|--------------------------|----------------------|
| Cryolite | | | |
| Potassium Fluoborate | | | |
| Lime | | | |
| Phen Resin | | | Potential Carcinogen |
| Furfural | | | |
| Iron Pyrites | | | |
| Silicon Carbide | | | |
| Aluminum Oxide | | | |

11.2 Route(s) of Entry and symptoms of exposure

See section 4.2

Section 12 - Ecological Information

N/A

Section 13 - Disposal Considerations

N/A

Section 14 - Transport Information

N/A

Section 15 - Regulatory Information

Do not exceed recommended RPM's. Follow procedures listed in any safety guides provided with the products.

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| Section 16 - Other Information |
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Preparation By: Laurie Siraguso

COMPANY USE

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