

FLEXOVIT USA INC.

SAFETY DATA SHEET

SECTION 1 - Identification of the Product and Company

1.1 Product Name Vitrified Mounted Points
1.2 Product Use Deburring 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

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>
Aluminum Oxide		0 – 98		1344-28-1
Silicon Carbide		0 – 98		409-21-2
Glass		2 – 50		65997-17-3
Quartz				14808-60-7

SECTION 4-First Aid

4.1 First Aid for exposure

Eyes: Flush eyes for 15 minutes
Skin: Cleanse and bandage affected area
Ingestion: Seek medical attention. Do not induce vomiting
Inhalation: Move victim into fresh air

4.2 Signs and Symptoms of Exposure

SECTION 5 - Fire Fighting Measures

- 5.1 Means Of Extinction: Same as media as surrounding area
- 5.2 Unusual Fire or Explosion Hazards: Dust generated by the abrasive products may be explosive in the correct air/dust mixture
- Flammable Properties: Non-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
Aluminum Oxide	15mg/m ³	10mg/m ³
Silicon Carbide	15mg/m ³	10mg/m ³
Glass *	15mg/m ³	10mg/m ³

*The glass was formed by combining many mineral dusts including Feldspar (68476-25-5) Slip Clay (1332-58-7) Talc (14807-96-6) and Quartz (14808-60-7). These materials all follow the limitations for Quartz when they become mineral dust upon grinding, sawing or rubbing.

Quartz 14808-60-7	10mg/m ³	.05mg/m ³
	%sio2+2 (respirable)	(respirable)

8.2 Personal protection requirements and referrals

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

Ventilation: Quartz exposure must be below OSHA PEL and ACGIHTLV

Protective Gloves: May be required by specific grinding operations

Eye Protection: Safety glasses

Hearing Protection: Not required

Body Protection: As required 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 (AIR=1)	N/A	Evaporation Rate (Butyl Acetate=1)	
Solubility in Water	N/A	Appearance	Any solid abrasive form
Lower And Upper Explosion Limits	N/A	Odor	No odor
Flammable Limits	N/A	Degradation Temperature	N/A
Flash Point	Non-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 (Applicable during the grinding, sawing and rubbing processes.)

<u>Chemical</u>	<u>Short term effects</u>	<u>Long term effects</u>	<u>Carcinogen</u>
Crystalline Silica (Quartz)	Ingestion: No known acute effects Eye: Potential irritation by abrasion with dust or chips Skin: Dust or chips may cause cuts, abrasions or allergic reactions Inhalation: Potential irritation and congestion of air passages Warning: Grinding dust potentially includes quartz, a carcinogen known to cause birth defects and other reproductive harm. Inhalation of quartz above established or recommended levels of exposure should be avoided. It is recommended that the abrasive product be used wet to minimize dust inhalation and/or that a NIOSH or MSHA approved respirator be used.		known

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: Sweep wet or vacuum. Avoid spreading dust.

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.

Section 16-Other Information

SDS Revision Date: November 1, 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.