



SECTION 1 - NAME AND PRODUCT	
JANUARY 01, 2011	
KLINGSPOR ABRASIVES, INC.	2555 Tate Blvd. SE, PO Box 2367, Hickory, NC 28603-2367 (828) 322-3030 FAX (282) 322 6060
PRODUCT:	FLEX-O-VIT (CFX)
CONTACT:	Technical Director

SECTION 2 - COMPOSITION							
INGREDIENT	% By WEIGHT	OSHA REG.	CAS NUMBER	OSHA PEL	ACGIH TLV	OTHER LIMITS	CARCINOGEN
Aluminum Oxide	0 - 80	No	1344-28-1	15mg/m3	10mg/m3	N/A	No
Silicon Carbide	0 - 50	No	409-21-2	15mg/m3	10mg/m3	N/A	No
Zirconium Oxide	0 - 50	No	1314-23-4	5mg/m3	10mg/m3	N/A	No
Barium Compound	0 - 8	No	7727-43-7	5mg/m3	10mg/m3	N/A	No
Zinc Compound	0 - 5	No	N/A	5mg/m3	5mg/m3	N/A	No
Iron Sulfate	~	No	1317-37-9	15mg/m3	10mg/m3	N/A	No
Fluorides	0 - 15	No	N/A	2.5mg/m3	2.5mg/m3	N/A	No
Cured Phenolic Resin	10 - 30	No	9003-35-4	None Estab.	None Estab.	N/A	No
Carbon Black	0 - .2	No	1333-86-4	3.5mg/m3	3.5mg/m3	N/A	No
Ums	0 - 3	No	1305-62-0	5mg/m3	5mg/m3	N/A	No
Fiberglass	0 - 10	No	65997-17-3	15mg/m3	10mg/m3	N/A	No
Cured Epoxy Resin	0 - 15	No	N/A	None Estab.	None Estab.	N/A	No

• This substance is regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS					
Physical State	Solid	Boiling Point	N/A	Specific Gravity (H2O=1)	2-4
Vapor Pressure (mm Hg)	N/A	Freezing Point	N/A	Odor Threshold	N/A
Vapor Density (Air=1)	N/A	Melting Point	N/A	pH	N/A
Solubility in Water	N/A	% Volatile	N/A	Evaporation Rate	N/A
Odor / Appearance	Odorless/Dark colored solid		Coefficient at Water/Oil Distribution		N/A

SECTION 4 - FIRE AND EXPLOSION DATA			
Means of Extinction	Water or Carbon Dioxide	Lower and Upper Explosion Limits	N/A
Flammable Limits	N/A	Special Fire Fighting Procedures	N/A
Flash Point	N/A	Unusual Fire or Explosion Hazards	N/A

SECTION 5 - REACTIVITY DATA
Stable - Avoid excessive moisture, high relative humidity, temperature extremes and contact with acids or solvents.
Not incompatible with any materials
Hazardous polymerization will not occur.
Dust and organic fumes are generated in use. Do not exceed TLV's.

### SECTION 6 - HEALTH HAZARD DATA

Routes:		Emergency and First Aid Procedures
Dust Inhalation	May cause coughing and shortness of breath during grinding. May affect breathing capacity.	Terminate exposure and remove to fresh air. Obtain medical assistance.
Ingestion	No known adverse effects, but not recommended.	Obtain medical assistance.
Absorption	No absorbed through the skin.	N/A
Skin contact	Grinding wheel may cause abrasions. Dust may cause skin irritations.	Terminate exposure and remove to fresh air. Obtain medical assistance
Eye	Dust or fumes may cause irritation.	Fresh air and medical assistance.
Other	Excessive noise levels may exist in use.	Cease use. Obtain medical assistance.

Medical conditions such as emphysema and asthma may be aggravated during grinding.

### SECTION 7 - STORAGE, HANDLING AND USE PROCEDURES

Handling and storage procedures - Avoid damage to wheel. Do not drop. Do not use wheel that has been damaged or dropped. Avoid excessive temperatures in storage. Always handle in accordance with ANSI B7.1

Normal clean up procedures should be used if materials is released.

Dispose of waste in a sanitary landfill in accordance with state, local and federal regulations.

Always .... Do not use dropped or damaged wheels. Do not use without machine guard in place. Do not exceed maximum RPM on wheel.

### SECTION 8 - CONTROL MEASURES

Protection	Requirements and Referrals
Respiratory	OSHA or NIOSH approved respirator if TLV's exceeded. See OSHA 29 CFR 1910.134
Ventilation	Local end mechanical exhaust recommended. See ANSi Z43.1 Refer to OSHA 29 CFR 1910.94
Protective Gloves	Not required but use of desired.
Eye Protection	Required. Refer to OSHA 29 CFR 1910.133
Hearing Protection	required. Refer to OSHA 29 CFR 1910.95
Other	Apron and/or face shield if desired.
Hygienic Practices.	Wash with soap and water after handling and grinding.

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, KLINGSPOR ABRASIVES, 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.