



FOR CHEMICAL EMERGENCY SPILL, LEAK, FIRE,
EXPOSURE OR ACCIDENT CALL (CHEMTREC)
800-424-9300. THIS MSDS COMPLIES WITH 29 CFR
1919. 1200 (THE HAZARD COMMUNICATION
STANDARD)

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product / Chemical Name:

Vitrified Bond Diamond Polishing Disc

Chemical Family or Product Type: Vitrified bond diamond disc for polishing

Product Type: N/A

Formula: N/A

Section 2 - Hazardous Ingredients of Material

The composition of these products is considered a trade secret. Specific components in these products will be revealed to qualified health professionals. The exposure limits given are those of the most limiting components.

Chemical Name / Common Name	Cas No.	ACGIH TLV MG / M ³	OSHA PEL MG / M ³	Carcinogen (Y/N)
Silicon (IV) Oxide	7631-86-9	10.0	6.0	N
Aluminium Oxide	1344-28-1	10.0	10.0	N
Boron Trioxide	1303-96-2	10.0	15.0	N
Cobalt Oxide	1307-96-6	0.1	0.1	N
Calcium Oxide	1305-78-8	2.0	5.0	N
Zinc Oxide	1314-13-3	10.0	5.0	N
Carbon	7440-44-0	2.0	2.5	N
Epoxy Resin	25068-38-6			N (Hardening Agent 4152-09-4)

Section 3 - Physical Data for Material

Boiling Point: N/A

Vapor Pressure: N/A

Solubility in Alcohol: 0

Vapor Density: N/A

Melting Point: 700 Celsius Degrees (Solid Ceramic)

Specific Gravity: 1.5 - 2.5g / cubic cm

Evaporation Rate: N/A

Appearance and Color: Dark grey (solid ceramic)

Percent Volatile: 0

Solubility in Water: 0

Solubility in other solvent: Will dissolve in strong acids.
(Solid Ceramic)

Section 4 - Fire and Explosion

Flash Point: N/A

Extinguishing Media: "Water"

Flammable Limits: LEL: N/A UEL: N/A

Special Fire Fighting Procedures: N/A These materials are not flammable in this.

Explosion Potential: N/A

Section 5 - Health, First Aid and Medical Data

Routes of Entry

Inhalation (During polishing)

Ingestion (During polishing)

Skin (During polishing)

Eye (During polishing)

Other potential health risks

Acute and Chronic Health Effects

Chronic: affects breathing capacity.

No known adverse effects, but ingestion not recommended.

Some may experience skin irritation from wasted water of polishing.

Wasted water of polishing may irritate eyes.

First Aid and Medical Info.

Remove to fresh air. Artificial respiration as needed. Obtain medical assistance.

Obtain medical assistance.

Wash affected areas with soap and water.

Wash with large amount of water. Obtain first aid and medical assistance.