

### Section 1 - Chemical Product and Company Identification

**Product / Chemical Name:**  
**Resin Bonded Metal Diamond Polishing Disc**

**Chemical Family or Product Type:** Metal bond diamond disc for polishing

**Product Type:** N/A

**Distributor Name:** Alpha Professional Tools®  
**Address:** 103 Bauer Drive, Oakland, NJ 07436  
**Emergency Tel. No.:** 800-648-7229

**Formula:** N/A

### Section 2 - Hazardous Ingredients

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 <sup>3</sup>	OSHA PEL MG / M <sup>3</sup>	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 and Chemical Data

<b>Boiling Point:</b> N/A	<b>Evaporation Rate:</b> N/A
<b>Vapor Pressure:</b> N/A	<b>Appearance and Color:</b> Dark grey (solid ceramic)
<b>Solubility in Alcohol:</b> 0	<b>Percent Volatile:</b> 0
<b>Vapor Density:</b> N/A	<b>Solubility in Water:</b> 0
<b>Melting Point:</b> 850 Censious degree. (Solid Metal)	<b>Solubility in other solvent:</b> Will dissolve in strong acids. (Solid Metal)
<b>Specific Gravity:</b> 4~5g/cubic cm	

### Section 4 - Fire and Explosion

<b>Flash Point:</b> N/A	<b>Special Fire Fighting Procedures:</b> N/A These materials are not flammable in this.
<b>Extinguishing Media:</b> "Water"	<b>Explosion Potential:</b> N/A
<b>Flammable Limits:</b> LEL: N/A UEL: N/A	

### Section 5 - Health, First Aid and Medical Data

Routes of Entry	Acute and Chronic Health Effects	First Aid and Medical Info.
Inhalation (During polishing)	Chronic: affects breathing capacity.	Remove to fresh air. Artificial respiration as needed. Obtain medical assistance.
Ingestion (During polishing)	No known adverse effects, but ingestion not recommended.	Obtain medical assistance.
Skin (During polishing)	Some may experience skin irritation from wasted water of polishing.	Wash affected areas with soap and water.
Eye (During polishing)	Wasted water of polishing may irritate eyes.	Wash with large amount of water. Obtain first aid and medical assistance.
Other potential health risks		