

## MATERIAL/CHEMICAL SAFETY DATA SHEET

### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

#### Product Details

Product Name: Resin Bond Dia-Grid Discs

Allied Item No.: 50-80800 through 50-81230M

Chemical Name: Resin Bond Diamond Discs

#### Company Identification

Allied High Tech Products, Inc.  
2376 East Pacifica Place  
Rancho Dominguez, CA 90220  
(310) 635-2466

#### Contact Point

Transportation for United States  
Chemtrec (800) 424-9300 \* (202) 483-7616

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Exposure Limits in Air		Carcin. Y/N
		ACGIH TLV or TWA	OSHA PEL	
Aluminum Oxide 75-81%	1344-28-1	10 mg/m3	15 mg/m3	
*Cobalt 55-60%	7440-48-4	.02 mg/m3	.05 mg/m3	
*Copper 80-85%	7440-50-8	.20 mg/m3	.10 mg/m3	
Graphite Powder 15-20%	7782-42-5	2 mg/m3	10 mg/m3	
*Manganese 3%	7439-96-5	1 mg/m3	1 mg/m3	
Molybdenum 1%	7439-98-7	10 mg/m3	10 mg/m3	
*Nickel 75-82%	7440-02-0	1 mg/m3	1 mg/m3	
*Phosphorus (yellow) 1%	7723-14-0	.10 mg/m3	.10 mg/m3	
**Crystalline Silica (quartz) 1%	14808-60-7	.10 mg/m3	.10 mg/m3	
Silicon 5%	7440-21-3	10 mg/m3	10 mg/m3	
Silicon Carbide 65-73%	409-21-2	10 mg/m3	10 mg/m3	
*Silver 80-85%	7440-22-4	.10 mg/m3	.01 mg/m3	
Tin 20-25%	7440-31-5	2 mg/m3	2 mg/m3	
Tungsten Carbide 70-75%	12070-12-1	0 mg/m3	0 mg/m3	

\* This substance is regulated under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Canadian National Pollution Reduction Initiative (NPRI)

The grinding disc may be comprised of only some of the above.

Ingredients are listed on the TSCA Inventory of Chemical Substances.  
Those not identified are non-hazardous.

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#### HMIS Ratings

Health: 1  
Flammability: 0  
Reactivity: 0

### SECTION 3: HAZARDS IDENTIFICATION

### SECTION 4: FIRST AID MEASURES

	Potential Health Effects	First Aid/ Medical Info.
Eye Contact:	Dust may irritate eyes.	Flush with water, seek medical attention if irritation persists.
Skin Contact:	Dust may irritate skin.	Wash affected areas with soap and water. Seek medical attention if needed.
Inhalation:	Dust may be slightly irritating to respiratory tract at high concentrations.  Chronic: May affect breathing capacity.	Remove to fresh air. If breathing has stopped, give artificial respiration and seek medical attention.
Ingestion:	No known adverse effects, but ingestion is not recommended.	Seek medical attention.

Note:

### SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Not applicable

Fire Fighting Instruction: None

Special Hazards: NAIF

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Follow normal clean up procedures.

<p><b>SECTION 7: HANDLING &amp; STORAGE</b></p>	<p><b>SECTION 12: ECOLOGICAL INFORMATION</b></p>
<p>Handling: Always handle and store wheels in a careful manner, visually inspect all wheels before mounting.</p>	<p>Vitrified products do not appreciably decay. Resin bonded materials demonstrate similar degradation rates as Phenolic plastics.</p>
<p><b>SECTION 8: EXPOSURE CONTROL &amp; PERSONAL PROTECTION</b></p>	<p><b>SECTION 13: DISPOSAL INFORMATION</b></p>
<p>Engineering Measures: Local ventilation recommended.</p> <p>Respiratory Protection: Use OSHA/NIOSH approved respiratory protection if level of air contaminants is excessive.</p> <p>Protective Gloves: As desired by user.</p> <p>Eye Protection: Safety glasses or chemical splash goggles.</p> <p>Other: Ear protection recommended when using this product.</p>	<p>Use standard landfill methods according to Federal, State and Local regulations.</p>
<p><b>SECTION 9: PHYSICAL &amp; CHEMICAL PROPERTIES</b></p>	<p><b>SECTION 14: TRANSPORT INFORMATION</b></p>
<p>Appearance: Solid article                  Odor: Odorless                  Solubility: NA                  Boiling Point: NA                  Melting Point: NA                  Flash Point: NA                  Vapor Pressure: NA                  Vapor Density: NA                  Evaporation Rate: NA                  Specific Gravity: NA                  Flammable Limits LEL: NA                  Flammable Limits UEL: NA</p>	<p>DOT: This product is not defined as hazardous.</p> <p>Canadian Transportation of Dangerous Goods Act: This product is not regulated.</p>
<p><b>SECTION 10: STABILITY &amp; REACTIVITY</b></p>	<p><b>SECTION 15: REGULATORY INFORMATION</b></p>
<p>Stability: Stable</p> <p>Conditions to Avoid/Incompatibles: NA</p> <p>Decomposition Products: In use, dusts and decomposing odors may be generated. In most cases, the material removed from the workpiece will be significantly greater than the grinding wheel components. Coolants may produce other decomposition products. For products containing phenol and formaldehyde resin, thermal decomposition may produce trace amounts of phenol and formaldehyde. For products containing inorganic fluorides, thermal decomposition may produce trace amounts of fluorides.</p> <p>Hazardous Polymerization: Will not occur.</p>	<p>Carcinogenicity:                  Nickel: EPA-A, IARC-2B, NTP-R, NIOSH-X, MAK-1                  Cobalt: IARC-2B, MAK-2                  Crystalline Silica (quartz): IARC-2A, NIOSH-X, NTP-R                  Silver: EPA-D                  Phosphorous (yellow): EPA-D                  Copper: EPA-D                  Manganese: EPA-D</p> <p>CA Prop 65: This product is considered an accessory to power tools by the state of California and does not require labeling under Proposition 65.</p>
<p><b>SECTION 11: TOXICOLOGICAL INFORMATION</b></p>	<p><b>SECTION 16: OTHER INFORMATION</b></p>
<p>Inhalation effects:                  Chronic: May effect breathing capacity                  Acute: Possible Cough</p>	<p><b>Legend</b>                  NAIF: No Applicable Information Found                  NA: Not Available/Applicable                  NE: None Established</p> <p><b>DISCLAIMER:</b> The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. ALLIED HIGH TECH PRODUCTS, INC. makes no warranty, either express or implied, as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer/distributor shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.</p>
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