

# Material Safety Data Sheet

## 1. Identification of the substance / preparation and of the company

### 1.1 Identification of the product :

### 1.2 Product Name Z3 & Z4 FLAP DISC MATERIAL

Coated abrasives for sanding of materials.

### 1.3 Company identification :

Company : CGW-Camel Grinding Wheels, Inc.  
Address : 7525 N. Oak Park Ave., Niles, IL 60714  
Phone 800-447-4248 Fax: 800-447-3731

## 2. Hazard Identification

### Important notice

Coated abrasives are inert products which do not create any risk when handled or stored. When used on grinding machines they require specific measures to protect the operators. During the grinding operation 90% or more of the particulates of the dust come from the material being ground and, for wet grinding, from aerosols generated by grinding fluid. Specific attention must therefore be given to the nature of the part and of the fluid and the appropriate protection devices must be installed.

## 3. Composition / Information on Ingredients

Component	Material	Percent (%)	CAS No.
Backing	Polyester	25~ 60	n/a
Abrasives Grain	Aluminium Oxide	25~ 45	1344-28-1
	Alumina Zirconia		68955-26-0
Bonding Resin	Cured Phenolic Resin	8 ~ 16	9003-35-4
Filler	Calcium Carbonate	1 ~ 10	16389-88-1
	Cryolite	1 ~ 15	15096-52-3
	Others: Potassium Floroborate	1 ~ 15	14075-53-7

## 4. First Aid Measures

Inhalation : Not possible, due to the form of the product  
Eye contact : Not possible, due to the form of the product  
Skin contact : No harmful effects known  
Ingestion : Not likely, due to the form of the product; if necessary contact physician  
Note to physician : Not available.

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## 5. Fire Fighting Measures

Toxic fumes may occur. Use respiratory protective equipment  
Extinguishing media: water, foam, sand, powder or CO<sub>2</sub>

## 6. Accidental release measures

Not applicable.

## 7. Handling and Storage

Keep the materials out of direct sunlight.  
Do not place the materials on ground and concrete floor.  
Avoid humid place and heating element such as heater and radiator.  
Keep it in condition of Temperature, 15°C~27°C and Humidity, 40%~50%.

## 8. Personal Protection

Respiratory protection : Use respiratory protective equipment  
Hand protection : Wear protective gloves  
Eye protection : Wear protective goggles or face shield  
Hearing protection : Use hearing protection  
  
Note : Hazardous dust of the work piece material may be generated during grinding and/or sanding operation.  
National regulations for dust exposure limit values have to be taken into consideration.

## 9. Physical and chemical Properties

Boiling Point ( °C )	n / a	Specific Gravity (H <sub>2</sub> O=1)	n / a
Vapor Pressure (mm Hg.)	n / a	Percent, Volatile by Volume (%)	n / a
Vapor Density (AIR=1)	n / a	Evaporation rate (Butyl Acetate =1)	n / a
Solubility in Water	n / a	Appearance and odor	n / a

## 10. Stability and Reactivity

Stability	<input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	Condition to Avoid  None
Incompatibility (materials to avoid)	Strong acids, Strong bases & Strong oxidizing agents may modify the mechanical characteristics of the products and create safety hazards when used on machines.	
Hazardous Decomposition Product	In use, dust and decomposing odors may be generated. In most cases, the material removed from the workplace will be significantly greater than the coated abrasives components.	
Hazardous	<input type="checkbox"/> May occur	Condition to Avoid



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Polymerization	<input checked="" type="checkbox"/> Will nor occur	None
<b>11. Toxicological Information</b>		
No toxicological effects if inhaled or with eye or skin contact are known. See also section 8.		
<b>12. Ecological Information</b>		
12.1 Ecotoxicity	:	no effects know
12.2 Mobility	:	no potentials known
12.3 Persistence and degradability	:	no biodegradable potentials known
12.4 Bioaccumulative potentiall	:	no potential known
12.5 Other hazardous effects	:	no effects known
<b>13. Disposal Considerations</b>		
Follow national and regional and regulation.		
<b>14. Transport Information</b>		
The product is not covered by international regulation on the transport of dangerous goods.		
<b>15. Regulatory information</b>		
No specific issues		
<b>16. Other Information</b>		
The above information is based on our standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the use's		