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## MATERIAL SAFETY DATA SHEET (Page 1 of 2)

## HAZARD RATING:

Health ①

Reactivity ②

Flammability ②

### SECTION I: PRODUCT IDENTIFICATION

Product Name: Vitrified Bonded Grinding Wheels and Specialties

Bond Types: V10, V11, V14, V20, V30, V40, V60, V, VD, VE, VGC, VR, VS, VSM, VT

### SECTION II: MATERIALS AND COMPONENTS

INGREDIENTS (only some may be used)	CAS NUMBER	MAX. WEIGHT %	OSHA PEL mg/m3**	ACGIH TLV mg/m3**	CARCINOGEN
Aluminum Oxide (Alumina)*	1344-28-1	96	10	10	N
Silicon Carbide*	409-21-2	96	10	10	N
Treatment (Paraffin Wax)	8002-74-2	10	n/a	2	N
Treatment (Phenolic Resin)	n/a	10	n/a	10	N
Treatment (Sulphur)*	7704-34-9	10	n/a	n/a	N
Glass Bond	n/a	30	n/a	n/a	N

\* Denotes materials regulated by OSHA 29 CFR 1910.1200 Hazard Communication Standard

\*\* Total Dust ( ) Denotes Common Name

### SECTION III: PHYSICAL PROPERTIES

Boiling Point:	n/a	Specific Gravity:	2-4
Melting Point:	n/a	Solubility in Water:	Slight
Freezing Point:	n/a	Solubility in Alcohol:	n/a
Vapor Pressure:	n/a	Solubility in other Solvents:	n/a
Vapor Density:	n/a	Evaporation Rate:	n/a
Appearance:	Solid Product	Odor:	Possible during use

### SECTION IV: FIRE AND EXPLOSION DATA

Flash Point:	n/a	No Special Fire Fighting Procedures
Flammable Limits:	n/a	No Need to Extinguish
Explosion Potential:	n/a	

### SECTION V: REACTIVITY DATA

Stability:	Stable	Incompatibility:	Avoid strong acids
Conditions to Avoid:	n/a	Polymerization:	Will not occur
Decomposition Products:	Dust, Organic Fumes		

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SECTION VI: HEALTH HAZARD INFORMATION

Inhalation: Acute effects - coughing, shortness of breath;  
Chronic effects - may effect breathing;

Ingestion: No known adverse effects; Ingestion not recommended;  
Get medical attention;

Skin: Some may experience skin irritation from dust;  
Wash affected areas with soap and water;  
Get medical attention;

Eye: Dusts may irritate eyes; Flush with large amounts of water;  
Get medical attention;

SECTION VII: SPECIAL PROTECTION INFORMATION

Use with proper ventilation.  
Eye protection recommended.  
Protective gloves may be used if desired.  
Use dust respirators; avoid breathing dust.  
Wash thoroughly after handling.  
Normal clean-up procedures.  
Waste disposal method: standard landfill methods.

Prepared By..... *Jeffrey J. Binkley* .....Date.....*1/5/15*.....

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