



MATERIAL SAFETY DATA SHEET

RESIN BONDED ABRASIVES

Section I - Company Information

Distributor Name:
SPARKY ABRASVIES

Emergency Telephone Number:
800-328-4560

Address:
Willmar, MN
56201

Telephone Number for Information:
+972-6-6507400

Date Prepared: January 1, 2010

Section II - Composition of Components

<u>Hazardous Components</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Aluminum Oxide	15 MG/M3	10 MG/M3
Zirconium Oxide	5 MG/M3	5 MG/M3
Calcium Oxide	5 MG/M3	2 MG/M3
Silicon Carbide	10 MG/M3	10 MG/M3
Fluorides	2.5 MG/M3	2.5 MG/M3
Crystalline Silica, Quartz	0.1 MG/M3	0.1 MG/M3



Section III - Physical/Chemical Characteristics

Boiling Point: N/A
Vapor Pressure (mm Hg.): N/A
Vapor Density (AIR=1): N/A
Specific Gravity (H₂O=1): >1
Melting Point: 400-500 degrees fahrenheit
Evaporation Rate: (Butyl Acetate=1): N/A
Appearance and Odor: Solid, no odor

Section IV - Fire and Explosion Hazard Data

Flash Point : N/A
Flammable Limits: 200 degrees
- CLEL: N/A
- UEL: N/A
Extinguishing Media: Water
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: Intense heat, dense black smoke

Section V - Reactivity Data

Stability: Stable
Incompatibility (Materials To Avoid): Avoid strong acids of all types with pH<4.0
Hazardous Polymerization: Will not occur
Hazardous Byproducts: Grinding dust may produce respiratory hazard



Section VI – Health Hazard Data

Routes of Entry; Inhalation, Skin

Health Hazards (Acute and Chronic): May affect breathing capacity

Signs and Symptoms of Exposure:

- Inhalation: coughing, shortness of breath
- Eye: irritation
- **Skin: irritation**

Emergency and First Aid Procedures:

- Inhalation overexposure: remove to fresh air and contact physician if needed
- Skin contact: wash affected areas with soap and water, obtain medical assistance if needed
- Eye contact: wash with water, obtain medical assistance if needed
- Ingestion: no known adverse effects, but advisable to obtain medical assistance

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

- Ventilate area and collect material in safe manner.

Water Disposal Method:

- Standard landfill methods with federal, state and local laws.

Precautions to be Taken in Handling and Storing:

- Avoid mechanic damage, handle and store in accordance with ANSI B 7.1
- Inspect wheel prior to mounting.
- Make sure machine speed is compatible to speed of wheel

Other precautions:

- Follow ANSI Safety Code B 7.1 for the use, care and protection of abrasive wheels



Section VIII - Control Measures

Respiratory Protection:

- Approved dust respirator protection required, see OSHA 29 CFR 1910-134

Ventilation: Local exhaust required

Mechanical (general) recommended

Other: N/A

Protective Gloves: as desired by operator

Eye Protection: Required, see OSHA CFR 1910-133

Other Protective Clothing or Equipment:

- If applicable (apron)
- Face shield recommended
- Hearing Protection: Where required, see OSHA 29 CFR 1910-134
- Machine guards