



## 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 (H<sub>2</sub>O=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