



## Material Safety Data Sheet Resin Bonded Abrasive

### Section I - Company Information

<b>Manufacturers Name:</b>	<b>Camel Grinding Wheels LTD</b>
<b>Address:</b>	<b>Kibbutz Sarid ISRAEL, 3658900</b>
<b>Emergency Telephone Number:</b>	<b>+972-4-6507216</b>
<b>Telephone Number for Information:</b>	<b>+972-4-6507400</b>

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### Section II - Composition and ingredients

<b>Description</b>	<b>CAS #</b>	<b>Percentage</b>	<b>OSHA MG/M3</b>
Aluminum Oxide	1344-28-1	40 – 95	15
Silicon Carbide	409-21-2	40- 95	15
Alumina Zirconia	1314-23-4	40 – 95	15
Cryolite	15096-52-3	2 - 30	2.5
Glass frits		0-25	N/A
Cured Phenolic Resin	60304-36-1	5 - 40	N/A
Fibrous Glass	65997-17-3	13	15
Calcium Carbonate	471-34-1	2-30	2.5
Potassium Aluminum Fluoride	13775-52-5	0-25	N/A
Iron Oxide	12227-89-3	0.05-0.5	N/A



### **Section III – Hazard identification**

**Appearance and Odor:** Solid, may give off slight odor in use.

Possible colors: Black, Brown or Reddish.

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Dust may cause eye and respiratory irritation and particles may cause eye and skin injury.

### **Section IV – 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 and 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
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### **Section V - Fire and Explosion Hazard Data**

**Flash Point:** N/A

**Flammable Limits:** N/A

**Extinguishing Media:** Any proper fire-fighting material can be used

**Special Fire Fighting Procedures:** Resin binder will decompose, use respiratory protection

**Unusual Fire and Explosion Hazards:** None



## **Section VI – Accidental release measures**

Minimize generation of dust, vacuum and sweep up.

## **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 respirators 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)
- Hearing Protection: Where CFR 1910-134
- Face shield
- Machine guards

required, see OSHA 29

## **Section IX - Physical/Chemical Characteristics**

**Boiling Point:** N/A

**Solubility in Water:** N/A

**Vapor Pressure (mm Hg.):** N/A

**Specific Gravity (H<sub>2</sub>O=1):** 1,7-2,5

**Vapor Density (AIR=1):** N/A

**Melting Point:** N/A

**Evaporation Rate: (Butyl Acetate=1):** N/A

## **Section X - 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:** In use, dust and decomposing resin system fumes are generated.

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## **Section XI – Toxicological information**

Health hazards:

Inhalation: dust may cause irritation.

Eye: May cause eye irritation

Ingestion: Should not happen normally. Swallowing large may cause obstruction on the gastrointestinal tract.

Skin: Rubbing product across skin the skin may cause irritation and abrasions.

Sanitation: N/A



## **Section XII – Ecological information**

Not known about significant effects or critical hazards.

## **Section XIII – Disposal considerations.**

Dispose according local regulation.

## **Section XIV – Transporting.**

No special regulations.

## **Section XV – Regulatory information.**

According to national regulatory information.

## **Section XVI – Additional information.**

The above information is based on the existing practice and normative use .The laws and regulations must be strictly followed by users that are responsible for the use of the abrasive grinding wheel.

### **NFPA hazard rating:**

Health: 1

Fire: 0

Reactivity: 0