

# SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION



Great Lakes Orthodontics  
200 Cooper Ave  
Tonawanda, NY 14150

716-871-1161  
800-828-7626  
CHEMTREC: 800-424-9300

**Product Name:** Abrasive Discs  
**Product Number:** 060-011, 060-012, 060-013, 060-019, 060-027, 060-028

Effective Date: 2/21/17

## SECTION 2. HAZARDOUS IDENTIFICATION

### Precautionary Statements

Normal Use – Handle with adequate ventilation. See OSHA 29CFR1910.94 (ventilation), OSHA 19CFR1910.000 (Air Contaminates), and OSHA CFR 1910.213 (P) Sanding Machines

### Description of Hazards

Respiratory: Coughing, shortness of breath.

Eyes: Irritation

Hearing: During use on some materials, elevated sound levels may be created which effect hearing.

### Hazards not otherwise classified

None

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Hazardous Components</u>	<u>% Weight</u>	<u>Cas #</u>
Silicon Carbide	0 – 50	409-21-2
Aluminum Oxide	0 – 50	1344-28-1
Gamet	0 – 30	12178-41-5
Ceramic Alumina	0 – 30	1344-28-1
Zirconium Oxide	0 – 30	1314-23-4
Paper Backing	20 – 65	N/A
Cloth Backing	15 – 55	N/A
Fiber Backing	30 – 70	N/A
Mesh Backing	15 – 55	N/A
Cured Adhesive	5 – 40	N/A

Each abrasive product contains a combination of the above components per spec and do not contain ingredients that are hazardous as defined by OSHA.

## **SECTION 4. FIRST AID MEASURES**

### **Eye Contact** (Irritation)

Wash with large amounts of water.

### **Inhalation** (Coughing, shortness of breath)

Remove to fresh air, apply artificial respiration as needed.

Obtain first aid or medical assistance if needed.

## **SECTION 5. FIRE FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Water, Foam, Dry chemical, Carbon Dioxide (CO<sub>2</sub>)

### **Special Fire Fighting Procedures**

None.

### **Unusual Fire / Explosion Hazards**

None.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Spill and Leak Procedures**

Avoid release into environment. Sweep up. Place in container for disposal as required by appropriate authorities.

## **SECTION 7. HANDLING & STORAGE**

### **Handling / Storage Precautions**

Handle with adequate ventilation. See OSHA 29CFR1910.94 (Ventilation), OSHA 29CFR1910.1000 (Air contaminates) and OSHA CFR1910.213 (P) Sanding Machines.

## **SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b><u>CHEMICAL</u></b>	<b><u>OSHA PEL</u></b>	<b><u>ACGIH TLV</u></b>
Silicon Carbide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Aluminum Oxide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Gamet	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Ceramic Alumina	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Zirconium Oxide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Cured Resin or Urea	None Established	None Established
Calcium Carbinate	15 mg/m <sup>3</sup>	None Established
Calcium Sulfate	None Established	None Established
Postasium Fluoroborate	2.5mg / m <sup>3</sup>	2.5 mg/ m <sup>3</sup>
Cryolite (as fluorides)	2.5 mg / m <sup>3</sup>	2.5 mg/ m <sup>3</sup>
Cotton or Polyester	None Established	None Established
Paper Backing	15 mg / m <sup>3</sup>	None Established
Fiber	15 mg/ m <sup>3</sup>	None Established

## 8.2 Personal Protection Requirements and Referrals

### Respiratory

As needed, approved dust respiratory OSHA 24CFR1910.134

### Ventilation

Local exhaust: Recommended. Mechanical (general): Recommended.

### Protective Gloves

Select and use gloves and/or protective equipment as a result of an exposure assessment.

### Eye Protection

Safety glasses with side shields – OSHA 29CFR1910.133

### Hearing Protection

As needed. OSHA 29CFR1910.215

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Appearance** – Cloth, paper, or fiber coated with abrasive material.
- **Odor** – Odorless
- **Non - Combustible**

**Not applicable** – Boiling Point, Vapor Pressure, Vapor Density, Specific Gravity, Melting Point, Evaporation Rate, Solubility in water.

## SECTION 10. STABILITY & REACTIVITY

**Hazardous Reactions** – Hazardous polymerization will not occur.

**Stability** – Stable

**Materials to Avoid** – Not applicable

**Conditions to Avoid** – Not applicable

**Hazardous Decomposition or By Products** – None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Health Hazard

**Ingestion** – None expected under normal use conditions.

**Inhalation** – Dust from grinding may cause respiratory irritation.

**Skin Contact** – Mechanical irritation by rubbing product across skin may cause abrasions, redness, pain, and itching.

**Eye Contact** – Dust particles may cause abrasive injury to eyes.

**Sensitization** – This material is not known to cause sensitization.

**Chronic** – Long exposure to dust during use may cause lung damage with symptoms of coughing and shortness of breath. Chronic effects may be aggravated by smoking.

**Carcinogenicity** – Not determined.

**Germ Cell Mutagenicity** – Not determined

**Reproductive Toxicity** – Not determined

**Specific Target Organ (single exposure)** – Not determined

**Specific Target Organ (repeat exposure)** – Not determined

**Aspiration Hazard** – Not determined

**Route(s) of Entry and symptoms of exposure** – See Section 4

**SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)**

Not Determined

**SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)**

**Waste Disposal Method**

Standard landfill methods consist with applicable Federal, State, and local laws.

**SECTION 14. TRANSPORT INFORMATION (non-mandatory)**

Not Regulated

**SECTION 15. REGULATORY INFORMATION (non-mandatory)**

Not applicable

**SECTION 16. OTHER INFORMATION (non-mandatory)**

Not applicable