

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 (CO₂)

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 contaminants) and OSHA CFR1910.213 (P) Sanding Machines.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

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

SECTION 14. TRANSPORT INFORMATION (non-mandatory)
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Not Regulated

SECTION 15. REGULATORY INFORMATION (non-mandatory)

Not applicable

SECTION 16. OTHER INFORMATION (non-mandatory)
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Not applicable