

---

**SECTION 1: IDENTIFICATION**

PRODUCT NAMES: Cutting disc for alloy  
Cutting disc for ceramic

PRODUCT I.D.  
PREFIXES: CD-

COMPANY: Opa Dental, LLC  
105 Whitaker Blvd  
Huntington, WV 25701

PHONE/EMERGENCY  
CONTACT: 1-304-523-6721

CHEMICAL NAME: Aluminum oxide  
Silicon carbide

CHEMICAL FORMULA: Al<sub>2</sub>O<sub>3</sub>  
SiC

PRODUCT USE: alloy grinding, ceramic grinding

---

**SECTION 2: HAZARDS IDENTIFICATION**

ROUTES OF ENTRY: Dust from grinding; into eyes, mouth; on skin

**POTENTIAL HEALTH EFFECTS**

EYES: Dust may irritate  
SKIN: Dust may irritate  
INGESTION: Dust may irritate  
INHALATION: Dust may irritate

CARCINOGENICITY: None known

---

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical composition	Percent (%)
Aluminum oxide	1-100
Silicon carbide	1-100

---

**SECTION 4: FIRST AID MEASURES**

EYES: Wash eyes with large quantities of clean water for at least 15 minutes. In case of after-effects, call a physician

SKIN: Wash thoroughly with warm water.

INGESTION: Rinse with water. In case of after-effects, call a physician

INHALATION: Move person into fresh air

**SECTION 5: FIRE-FIGHTING MEASURES**

**NFPA HAZARD CLASSIFICATION**

HEALTH: 1  
 FLAMMABILITY: 0  
 REACTIVITY: 0  
 OTHER: 0

EXTINGUISHING MEDIA: Normal exstinguishing media

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Avoid discharge into drains or surface water. Normal clean up.

**SECTION 7: HANDLING AND STORAGE**

**HANDLING:** Only adequately trained personnel should handle this product. Keep out of reach of children. Usual hygienic measures are necessary. When using, do not eat, drink, or smoke. Provide adequate local ventilation, suction unit, and respirator, especially in case of dust exposure.

**STORAGE:**

No special requirements for place of storage and containers.  
 No further indications necessary for storage, no restrictions for storage with other products.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Provide adequate local ventilation.  
 Prepare material in proximity to an air suction unit.  
 Use a dust protection mask.  
 Avoid inhalation of dust.  
 Avoid dust built-up.  
 Safety eyewear necessary.

Aluminum oxide	OSHA Exposure limit (PEL): 15 mg/m <sup>3</sup> (Total Dust)
Silicon carbide	OSHA Exposure limit (PEL): 15 mg/m <sup>3</sup> (Total Dust)

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Red/brown/green disc
Odor	odorless
Meting point	2,072 °C
Solubility	Not soluble in water

---

**SECTION 10: STABILITY AND REACTIVITY**

Material is stable  
Material is non-reactive

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

Cytotoxicity	none
Short-term systemic toxicity	none
Sensitization (delayed hypersensitivity)	none
Intracutaneous reactivity	None

---

**SECTION 12: ECOLOGICAL INFORMATION**

Non-hazardous

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

Take to an approved landfill or waste incineration plant, under conditions approved by the local authorities. Take empty and contaminated containers to an approved landfill or waste incineration plant, under conditions approved by the local authorities.

---

**SECTION 14: TRANSPORT INFORMATION**

Non-hazardous, non-sensitive to temperature

---

**SECTION 15: REGULATORY INFORMATION**

Non-hazardous

---

**SECTION 16: OTHER INFORMATION**

Non-hazardous