

SAFETY DATA SHEET

2/6/2017

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Carbide bur

PRODUCT I.D.: All product numbers with prefixes:
CBR-

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

PHONE: 1-304-523-6721

CHEMICAL NAME: Tungsten carbide
CHEMICAL FORMULA: WC

PRODUCT USE: rotary tool for cutting, grinding

SECTION 2: COMPOSITION

Chemical Characterization: Pre-Sintered, porous ZrO ₂ Block					
Composition:	Percentage:	CAS Number:	EC Number:	NFPA H/F/R/O*	HMIS H/F/PH/PP**
Tungsten Carbide (WC)	100%	12070-12-1	235-123-0	0/0/0/-	0/0/0/-

*Health, Flammability, Reactivity, Other information

**Health, Flammability, Physical Hazard, Personal Protection

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Dust from grinding into eyes, mouth, or skin.

POTENTIAL HEALTH EFFECTS

EYES: Dust may irritate

SKIN: Dust may irritate

INGESTION: Dust may irritate

INHALATION: Dust may irritate

CARCINOGENICITY: None known

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

EXTINGUISHING MEDIA: Normal extinguishing media

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Standard measures, e.g. dust mask or dust collection device.

ACCIDENTAL RELEASE MEASURES: Avoid discharge into drains or surface water.

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 or suction unit, 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 build-up.
Safety eyewear necessary.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gray	Flexural strength:	344 MPa
Aggregate State:	Metal solid	Vickers hardness:	2600 GPa
Odor:	Odorless	Average grain size:	N/A
pH:	N/A	Radioactivity:	N/A
Boiling Point:	6,000 °C	Partition Coefficient:	N/A
Flash Point:	Not Flammable	Solubility water/fat:	Insoluble in water
Auto-Flammability:	Not Self-Igniting	Chemical solubility:	HNO ₃ , HF
Explosive Properties:	N/A	Viscosity:	N/A
Oxidizing Properties:	N/A	Vapor Density:	N/A
Vapor Pressure:	N/A	Evaporation Rate:	N/A
Relative Density:	15.g/cm ³	Melting Point:	2,830 °C

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid:	N/A
Materials to avoid:	N/A
Hazardous Decomposition products:	N/A

SECTION 11: TOXICOLOGICAL INFORMATION

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

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NONE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Take to an approved landfill or waste incineration plant, under conditions approved by the local authorities.

SECTION 14: TRANSPORT INFORMATION

Not Hazardous

SECTION 15: REGULATORY INFORMATION

Class I medical device

Device #: 872.3240

Code: EJL

ADDITIONAL INFORMATION

The Safety Data Sheet serves as a description of the products in regard to necessary safety measures. The indications do not guarantee properties.