

SAFETY DATA SHEETS

This SDS packet was issued with item:

076350433

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

071392794 076350441

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and Left)
Composite & Composite Fine Points

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Shofu Dental Corporation	Emergency Telephone Number 1-800-535-5053
Address (Number, Street, City, State, and ZIP Code) 1225 Stone Drive San Marcos, CA 92078	Telephone Number for Information 760-736-3277
Date Prepared OCTOBER 1, 2002	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
ZIRCONIUM OXIDE IN SILICONE RUBBER		5 mg/m ³		

Zirconium oxide is listed here as a hazardous ingredient because, in industrial use, 5 mg of zirconium oxide per cubic meter of air averaged over an eight hour work shift can result in mild irritation to skin, eyes, or respiratory system with no longterm deleterious effects.

In dental applications, used according to directions (low rpm, with a light touch, and under "wet" conditions), Composite is not hazardous.

Section III — Physical/Chemical Characteristics

Boiling Point	N.A.	Specific Gravity (H ₂ O = 1)	N.A.
Vapor Pressure (mm Hg)	N.A.	Melting Point	N.A.
Vapor Density (AIR = 1)	N.A.	Evaporation Rate (Butyl Acetate = 1)	N.A.
Solubility in Water	Insoluble		
Appearance and Odor	Pale gray rubber points		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	N.A.	Flammable Limits	N.A.	LEL	UEL
Extinguishing Media	N.A.				
Special Fire Fighting Procedures	N.A.				
Unusual Fire and Explosion Hazards	N.A.				

(Reproduce locally)

OSHA 174, Sept. 1985

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable	X

Incompatibility (Materials to Avoid) **None known**

Hazardous Decomposition or Byproducts **N.A.**

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	X

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation? Possible	Skin? Possible	Ingestion? Possible
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Health Hazards (Acute and Chronic)
Breakdown of zirconium oxide during use can result in dust which can be mildly irritating to skin, eyes, and respiratory system. Used according to directions (low rpm, with a light touch, and under "wet" conditions) health hazards are greatly reduced.

Carcinogenicity:	None	NTP? N.A.	IARC Monographs? N.A.	OSHA Regulated? N.A.
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Signs and Symptoms of Exposure
Mild irritation of the eyes, skin, or respiratory system.

Medical Conditions Generally Aggravated by Exposure **Persons suffering from chronic respiratory disease or skin disease may be more susceptible to the effects of this agent.**

Emergency and First Aid Procedures
Eye contact: Irrigate immediately with large amounts of water. Seek medical help if irritation occurs. Skin contact: Wash with soap and water. Consult a physician if necessary.

Section VII — Precautions for Safe Handling and Use
Inhalation: Remove to fresh air. Consult a physician if necessary. Ingestion: N.A.

Steps to Be Taken in Case Material is Released or Spilled **N.A.**

Waste Disposal Method **In accordance with Federal, State, and local regulations.**

Precautions to Be Taken in Handling and Storing **Store in a dry place. Take measures to insure against mechanical damage. Store in accordance with ANSI B7.1**

Other Precautions **Use in accordance with instructions regarding rotation speed. Handling of the product exclusively by dental specialists.**

Section VIII — Control Measures

Respiratory Protection (Specify Type)
NIOSH or OSHA approved dust respirator may be required (OSHA-29-CFR-1910-134)

Ventilation	Local Exhaust Utilize local exhaust to keep dust below TLV.	Special
	Mechanical (General)	Other

Protective Gloves **N.A.** Eye Protection **Recommended - See OSHA 29-CFR-1910-133**

Other Protective Clothing or Equipment **N.A.**

Work Hygienic Practices **N.A.**

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SECTION 1. Identification of the substance or mixture and of the supplier

1.1 Product identifier

Trade Name:

**CompoSite polishers/ Silicone(points & cups) C-type/Composite points
/Composite Fine points**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Dental material

Uses advised against: No further data

1.3 Details of the supplier of the safety data sheet

Company/Undertaking identification

Manufacturer's Name: **SHOFU DENTAL CORPORATION**

Address: 1225 Stone Drive, San Marcos, CA 92078 USA

Toll Free: 1-800-827-4638

Phone: 760-736-3277

Fax: 760-736-3276

E-Mail: customer-service@shofu.com

Section in Charge: Quality Management & Regulatory Affairs

1.4 Emergency Telephone Number

For emergencies only. Call CHEMTREC: +1 703-741-5970 / 1-800-424-9300 (24 hours)

SECTION 2. Hazards identification

2.1 GHS Classification

It is not possible to classify it.

2.2 Label elements

SYMBOL Void

SIGNAL WORD Void

HAZARD STATEMENTS Void

PRECAUTIONARY STATEMENTS

[Prevention]

Do not handle until all safety precautions have been read and understood.

[Response]

Get medical advice/attention if you feel unwell.

[Storage]

Store under normal dry conditions.

[Disposal]

Dispose of contents and container in accordance with regulation.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.



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SECTION 3. Composition/information on ingredients

- 3.1 Chemical characterization: Mixtures
- 3.2 Description: -
- 3.3 Dangerous components: Void
 - Working part: Synthetic rubber
Alumina grit ($ZrSiO_4$, or Al_2O_3)
Magnesium oxide (MgO)
Others
 - Shank part: Stainless steel
- 3.4 Additional information: For the wording of the listed risk phrases refer to section 2

SECTION 4. First-aid measures

- 4.1 Description of first aid measures
 - Eye contact: Wash immediately plenty of water and seek medical advice, since the grinding dust cause scratched harm to the cornea if contact.
 - Skin contact: No special measures required.
 - Ingestion: No special measures required.
 - Inhalation: Remove from exposure. (if inhaled the dust from grinding)
- 4.2 Most important symptoms and effects, both acute and delayed
 - No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
 - No further relevant information available.

SECTION 5. Fire-fighting measures

- 5.1 Extinguishing Media:
 - CO₂, Dry chemical, Foam, Dry sand
- 5.2 Special hazards arising from the substance or mixture:
 - In the case of fire, irritation gas and fume may emit.
- 5.3 Advice for firefighters:
 - Wear fire protective cloth and self-contained breathing apparatus, if necessary.

SECTION 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:
 - Don't breathe dust.
- 6.2 Environmental Precautions:
 - No special measures required.
- 6.3 Methods and material for containment and cleaning Up:
 - Pick up and collect in a suitable container.
- 6.4 Reference to other section:
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.



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SECTION 7. Handling and storage

- 7.1 Precautions for safe handling:
Use in accordance with instruction. In case of grinding and polishing, wear dust mask and safety glasses, and using dust respirator and local exhaust.
- 7.2 Conditions for safe storage, including any incompatibilities:
Store in a dry place. Take measures to avoid mechanical and chemical damage.
- 7.3 Specific end use(s):
No further relevant information available.

SECTION 8. Exposure controls/personal protection

- 8.1 Control parameters:
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- 8.2 Exposure controls:
Respiratory Protection: Dust mask
- Skin Protection: Hand Protection
Not required.
- Eye Protection: Safety goggles

SECTION 9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- | | |
|--|--|
| Appearance/Odor/Colour: | Gray rubber bonded polishing stone (points). |
| Odour threshold | Not determined. |
| pH | Not determined. |
| Melting point/freezing point | Not determined. |
| Boiling Point: | Not determined. |
| Flash point: | Not determined. |
| Evaporation rate | Not determined. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | Not determined. |
| Vapour pressure | Not determined. |
| Vapour density | Not determined. |
| Relative Density: | Not determined. |
| Solubility: water solubility | Insoluble |
| Partition coefficient: n-octanol/water | Not determined. |
| Auto-ignition temperature | Not determined. |
| Decomposition temperature | Not determined. |
| Viscosity | Not determined. |
| Explosive properties | Not applicable. |
| Oxidising properties | Not applicable. |
- 9.2 Other information
No further relevant information available.



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SECTION 10. Stability and reactivity

- 10.1 Reactivity:
No further relevant information available.
- 10.2 Chemical stability:
Stable under normal temperatures and pressures.
- 10.3 Possibility of hazardous reactions:
No dangerous reactions known.
- 10.4 Condition to Avoid:
No further relevant information available.
- 10.5 Incompatible materials:
No further relevant information available.
- 10.6 Hazardous Decomposition Products:
None under normal conditions of storage and use.

SECTION 11. Toxicological information

- 11.1 Information on toxicological effects:
- | | |
|---|---|
| Acute toxicity: | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation: | Based on available data, the classification criteria are not met. |
| Eye damage/irritation: | Based on available data, the classification criteria are not met. |
| Sensitization to the respiratory tract: | Based on available data, the classification criteria are not met. |
| Skin sensitization: | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity/Genotoxicity: | Based on available data, the classification criteria are not met. |
| Carcinogenicity: | Based on available data, the classification criteria are not met. |
| Reproductive toxicity: | Based on available data, the classification criteria are not met. |
| Effects on or via lactation: | Lack of data. |
| Specific target organ toxicity (single exposure): | Based on available data, the classification criteria are not met. |
| Specific target organ toxicity (repeated exposure): | Based on available data, the classification criteria are not met. |
| Aspiration hazard: | Based on available data, the classification criteria are not met. |

SECTION 12. Ecological information

- 12.1 Toxicity:
No further relevant information available.
- 12.2 Persistence and degradability:
No further relevant information available.
- 12.3 Bioaccumulative potential:
No further relevant information available.
- 12.4 Mobility in soil:
No further relevant information available.
- 12.5 Results of PBT and vPvB assessment:
Not applicable.
- 12.6 Other adverse effects:
No further relevant information available.



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SECTION 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of contents/container to in accordance with local/regional/national/international regulations.

SECTION 14. Transport information

- | | |
|---|--|
| 14.1 UN number: | Void |
| 14.2 UN proper shipping name: | Void |
| 14.3 Transport hazard class(es): | Void |
| 14.4 Packing group: | Void |
| 14.5 Environmental hazards: | No further relevant information available. |
| 14.6 Special precautions for user: | Not applicable. |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not applicable. |

SECTION 15. Regulatory informati

Follow all regulations in your country.

SECTION 16. Other information

This product is intended for use by dental professionals. (instrument/material)

Abbreviations and acronyms:

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative