



# SAFETY DATA SHEET

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

### 1.1 Product identifier

Trade Name:

**TPE Diamonds**

### 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

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

### 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 Ingredients and composition:
  - Natural diamond grit
  - Nickel (bonding layer)
  - Chromium plate layer
  - Stainless steel base and shank
- 3.3 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:
  - The product is not flammable.
- 5.2 Special hazards arising from the substance or mixture:
  - No further relevant information available.
- 5.3 Advice for firefighters:
  - No further relevant information available.

## 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.

## 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.



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- 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:                       | Needle shape grinding instrument with metallic sheen. |
| 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.

## SECTION 10. Stability and reactivity

- 10.1 Reactivity:  
No further relevant information available.



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## 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.

### 11.2 Information on other hazards:

No further relevant information available.

## 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 information

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