

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.

IDENTITY (As Used on Label and List)
Composite Bulblet, Knife, & Wheel

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



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
Address (Number, Street, City, State, and ZIP Code)
4025 Bohannon Drive
Menlo Park, CA 94025

Emergency Telephone Number
415-324-0085
Telephone Number for Information
SAME
Date Prepared
April 1, 1992
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/m³

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 (H₂O = 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.

Section V — Reactivity Data

Stability
Unstable
Stable
Conditions to Avoid
X

Incompatibility (Materials to Avoid)
None known

Hazardous Decomposition or Byproducts
H.A.

Hazardous Polymerization
May Occur
Will Not Occur
Conditions to Avoid
X

Section VI — Health Hazard Data

Routes of Entry
Inhalation? Possible
Skin? Possible
Ingestion? Possible
Health Hazard (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? H.A.
MPC Monographs? N.A.
OSHA Regulated?

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 dis-
ease 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 irrita-
tion 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 phy-
sician if necessary. Ingestion: N.A.

N.A.

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

Precautions to Be Taken in Handling and Storage
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.
Mechanical (General)
N.A.
Protective Gloves
N.A.
Other Protective Clothing or Equipment
N.A.
Workhygienic Practices
N.A.
Eye Protection
Recommended - See OSHA 29-CFR-1910-133