

TOKUYAMA DENTAL CORP.

MATERIAL SAFETY DATA SHEET

(According to 91/155/EEC and OSHA regulation 29 CFR 1910.1200 (g))

Reviewed on Feb. 01, 2006

1. Identification of substance

Product name	SOFRELINER Paste
Description of Product	Silicone-based soft denture liner, For dental professionals only.
Manufacturer	Tokuyama Dental Corp. 38-9, Taitou 1-chome, Taitou-ku, Tokyo, Japan
EC Representative (Emergency Contact in EU)	Tokuyama Europe GmbH Oststrasse 10, 40211 Dusseldorf, Germany Tel: +49 211 1754480, Fax: +49 211 357379
North America	Tokuyama America, Inc. California Tel: (650) 571 8872 Tel: (877) 378 3548 (Dental Toll-Free)

2. Composition/Data on components

Ingredients	%	Cas. No.	Symbols	R-phrases	OSHA PEL
Polyorganosiloxane	66	—	—	—	N/E
Silicone resin powder	28	—	—	—	N/E
Silica, amorphous	6	112945-52-5	—	—	80mg/m ³

3. Hazard identification

Repeated prolonged contact may cause skin inflammation.

4. First aid measures

After skin contact	Wash with soap and plenty of water.
After eye contact	Wash immediately with plenty of water. Get medical attention.
After swallowing	Induce vomiting immediately. Get medical attention.

5. Fire fighting measures

Suitable extinguishing media	Chemical foam, carbon dioxide or dry chemical
Media not to be used	None
Combustion products and resulting gases	Irritant gas may be released during heating or in case of fire.
Special precaution firefighters	Use protective clothing and a self-contained breathing apparatus.

6. Accidental release measures

Personal protection	Not required
Environmental protection	Not required
Methods for cleaning up	Clean up with an inert absorbent.

7. Handling and storage

Handling	Use in a well ventilated place.
Storage	Store in a cool, dark place (0°C-25°C).

8. Exposure controls/personal protection

In general	Not required
Respiration protection	Not required
Hand protection	Wear suitable protective gloves.
Eye protection	Wear suitable protective glasses.
Skin protection	Wear suitable protective clothing.

9. Physical and chemical properties

Appearance	Clear paste, Pink tinted	Explosive properties	None
Odor	None	Oxidizing properties	None
pH	Neutral	Vapor pressure	N/A
Boiling point	None	Relative density	1.1
Melting point	N/A	Solubility (water)	None
Flash point	N/A	Solubility (Solvent)	N/A
Flammability	None	Partition coefficient	N/A
Autoflammability	None	Others	—

10. Stability and reactivity

Conditions to avoid	Heat, sparks and open flames
Materials to avoid	Strong oxidizing agents, acids, alkalis and alcohols.
Hazardous reactions	Evolves hydrogen on contact with acids, alkalis or alcohols. Incomplete thermal decomposition may cause toxic gases.

11. Toxicological information

Inhalation	—
Ingestion	No irritating effect
Skin contact	Repeated prolonged contact may cause skin inflammation.
Eye contact	Irritation, redness, pain.
Carcinogenicity	N/R
Others	Oral Rat LD50, more than 9,600mg/Kg

12. Ecological information

Biodegradability	N/A
Bioscumulative	N/A
Aquatic toxicity	N/A
Others	—

13. Disposal consideration

Disposal must be made according to federal, state and local regulations.

14. Transport information

UN number	Not subject to this section
Air transport	—
Sea transport	—
Inland transport	—

15. Regulatory information

Marking according to EU regulations	Not subject to the 67/548/EEC
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16. Other information

The information which is contained in this document is based on available data. However, as such has been obtained from various sources, including independent laboratories, it is given without warranty or representation that is complete, accurate and can be relied upon. Tokuyama Dental Corp. has not attempted to conceal in any way the deleterious aspects of the product listed herein, but makes no warranty as to such.

* N/E: Not Established, N/A: Not Available, N/R: Not Regulated by IARC

TOKUYAMA DENTAL CORP.

(SOFRELINER Primer)

MATERIAL SAFETY DATA SHEET

(According to 91/155/EEC and OSHA regulation 29 CFR 1910.1200 (g))

Reviewed on Feb. 01, 2006

1. Identification of substance

Product name	SOFRELINER Primer
Description of Product	Silicone-based soft denture liner, For dental professionals only
Manufacturer	Tokuyama Dental Corp. 38-9, Taihou 1-chome, Taihou-ku, Tokyo, Japan
EC Representative (Emergency Contact in EU)	Tokuyama Europe GmbH Oststrasse 10, 40211 Dusseldorf, Germany Tel: +49 211 1754480, Fax: +49 211 357379
North America	Tokuyama America, Inc. California Tel: (650) 571 8872 Tel: (877) 378 3548 (Dental Toll-Free)

2. Composition/Data on components

Ingredients	%	Cas. No.	Symbols	R-phrases	OSHA PEL
Methylene chloride	99.5	75-09-2	Xn	R40	25ppm
Polymethylmethacrylate with polyorganosiloxane	0.5	—	—	—	N/E

3. Hazard identification

Irritating to eyes, respiratory system and skin
Repeated prolonged contact may cause skin inflammation.

4. First aid measures

After skin contact	Wash with soap and plenty of water.
After eye contact	Wash immediately with plenty of water. Get medical attention.
After swallowing	Do not induce vomiting. Induce drinking 250ml of water and get medical attention.

5. Fire fighting measures

Suitable extinguishing media	Chemical foam, carbon dioxide or dry chemical
Media not to be used	None
Combustion products and resulting gases	Irritant gas may be released during heating or in case of fire.
Special precaution firefighters	Use protective clothing and a self-contained breathing apparatus.

6. Accidental release measures

Personal protection	Wear protective apparatus.
Environmental protection	Do not empty into drains.
Methods for cleaning up	Clean up with an inert absorbent and dispose of at special waste collection point.

7. Handling and storage

Handling	Use only in well-ventilated areas.
Storage	Store in a cool, dark place (0°C-25°C).

8. Exposure controls/personal protection

In general	Not required
Respiration protection	Not required
Hand protection	Wear suitable protective gloves.
Eye protection	Wear suitable protective glasses.
Skin protection	Wear suitable protective clothing.

9. Physical and chemical properties

Appearance	Clear liquid	Explosive properties	(O ₂) 66%-High, 15.5%-Low
Odor	Characteristic odor	Oxidizing properties	None
pH	Neutral	Vapor pressure	465hPa at 20°C
Boiling point	40.2°C	Relative density	N/A
Melting point	-95.1°C	Solubility (water)	2.0g/water 100g
Flash point	None	Solubility (Solvent)	N/A
Flammability	None	Partition coefficient	N/A
Autoflammability	662°C	Others	—

10. Stability and reactivity

Conditions to avoid	Heat, sparks and open flames
Materials to avoid	Strong, oxidizing agents
Hazardous reactions	Incomplete thermal decomposition may cause toxic gases.

11. Toxicological information

Inhalation	Irritation of the respiratory organs
Ingestion	—
Skin contact	Slight irritation, defatting action, repeated prolonged contact may cause inflammation.
Eye contact	Irritation, redness, pain
Carcinogenicity	Methylene chloride: Group 2B (IARC) (Human Inadequate Evidence, Animal Sufficient Evidence)
Others	Oral Rat LD50, more than 1,600mg/kg

12. Ecological information

Biodegradability	N/A
Bioaccumulative	N/A
Aquatic toxicity	LC50:1,000-100mg/l (96hrs)
Others	—

13. Disposal consideration

Disposal must be made according to federal, state and local regulations.

14. Transport information

UN number	1593
Air transport	
Sea transport	Harmful. See section 2 and 15.
Inland transport	

15. Regulatory information

Marking according to EU regulations	67/548/EEC, 92/32/EEC
Contains	Methylene chloride
Symbols	Xn: Harmful
R-phrases	R40: Possible risks of irreversible effects
S-Phrases	S23: Do not breathe vapor. S24/25: Avoid contact with skin and eyes. S36/37: Wear suitable protective clothing and gloves.
Others	R and S-phrases are not marked according to contents not more than 125ml and the case not related to the general public (Article 23 "Labeling"-3).

16. Other information

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