

TOKUYAMA DENTAL CORPORATION

MATERIAL SAFETY DATA SHEET

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

Reviewed on February 01, 2006

1. Identification of substance

Product name	SOFRELINER TOUGH PASTE
Description of product	Silicone-based soft denture liner, For dental professionals only.
Manufacturer	Tokuyama Dental Corporation 38-9, Taitou 1-chome , Taitou-ku, Tokyo, Japan
EC representative (Emergency Contact in EU)	Tokuyama Europe GmbH Oststrasse 10, 40211 Düsseldorf, 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	80	—	—	—	N/E
Silica, amorphous	20	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 for 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 (0-25°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 tint	Explosive properties	N/A
Odor	None	Oxidizing properties	None
pH	Neutral	Vapor pressure	N/A
Boiling point	None	Relative density	1.1
Melting point	N/A	Solubility (Water)	N/A
Flash point	N/A	Solubility (Solvent)	N/A
Flammability	None	Partition coefficient	N/A
Autoflammability	N/A	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	—

12. Ecological information

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

13. Disposal consideration

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

14. Transport information

Proper shipping name	Not subject to this section.
UN number	
Classification	
Packing group	
Air transport	
Sea transport	Inland transport
Inland transport	

15. Regulatory information

Marking according to EU regulations	Not subject to the 67/548/EEC.
Contains	
Symbols	
R-phrases	
S-phrases	
Others	

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 CORPORATION

MATERIAL SAFETY DATA SHEET

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

Reviewed on February 01, 2006

1. Identification of substance

Product name	SOFRELINER TOUGH PRIMER
Description of product	Silicone-based soft denture liner, For dental professionals only.
Manufacturer	Tokuyama Dental Corporation 38-9, Taitou 1-chome, Taitou-ku, Tokyo, Japan
EC representative (Emergency Contact in EU)	Tokuyama Europe GmbH Oststrasse 10, 40211 Düsseldorf, Germany TEL: +49 211 1754480 FAX: +49 211 357379
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2. Composition/Data on components

Ingredients	%	Cas. No.	Symbols	R-phrases	OSHA PEL
Ethyl acetate	94-98	141-78-6	F	R:11	1400mg/m ³
Polymethylmethacrylate with polyorganosiloxane	1-3	—	—	—	N/E
Polyethylmethacrylate	1-3	—	—	—	N/E

3. Hazard identification

Highly flammable.
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 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 for 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 in a well ventilated place.
Storage	Store in a cool, dark place (0-25°C).

8. Exposure controls/personal protection

In general	Not required.
Respiration protection	Not required.
Hand protection	Wear suitable protective gloves.
E/eye protection	Wear suitable protective glasses.
Skin protection	Wear suitable protective clothing.

9. Physical and chemical properties

Appearance	Clear liquid	Explosive properties	2-11, 5%
Odor	Characteristic odor	Oxidizing properties	N/A
pH	N/A	Vapor pressure	N/A
Boiling point	77°C	Relative density	N/A
Melting point	N/A	Solubility (Water)	N/A
Flash point	-4°C	Solubility (Solvent)	N/A
Flammability	Highly flammable	Partition coefficient	N/A
Autoflammability	427°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 respiratory organs.
ingestion	Slight irritation of digestive organs.
Skin contact	Slight irritation, defatting action, repeated prolonged contact may cause inflammation.
Eye contact	Irritation, Redness, Pain.
Carcinogenicity	N/R
Others	—

12. Ecological information

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

13. Disposal consideration

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

14. Transport information

Proper shipping name	Adhesives, containing a flammable liquid.
UN number	UN1133
Classification	3 (ATA, CFR49)
Packing group	II (ATA, CFR49)
Air transport	
Sea transport	Highly flammable.
Inland transport	See section 2and9.

15. Regulatory information

Marking according to EU regulations	62/548/EEC, 92/32/EEC
Contains	Ethyl acetate
Symbols	F: Flammable.
R-phrases	R11 : Highly flammable.
S-phrases	S16: Keep away from sources of ignition -No smoking. S23: Do not breathe vapor. S29: Do not empty into drains. S33: Take precautionary measures against static discharges.
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 "Labeling"-3).

16. Other information

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