SAFETY DATA SHEETS

This SDS packet was issued with item:

076750269

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

076750186

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).

076750020 076750152 076750160 076750202 076750210 076750236 076750244 076750285 076750319 076750327

SAFETY DATA SHEET
SOFRELINER TOUGH S-Paste

1. Identification

Product identifier

Product name SOFRELINER TOUGH S-Paste

Recommended use of the chemical and restrictions on use

Restriction on use Denture Liner, a component of kit. For dental professionals only.

Details of the supplier of the safety data sheet

Supplier Tokuyama Dental America, Inc.
740 Garden View CT., Suite 200 Encinitas, CA 92024 U.S.A.
Tel: +1-760-942-7211
Fax:+1-760-942-7212

Contact person http://www.tokuyama-dental.com/contact.htm

Manufacturer Tokuyama Dental Corporation
38-9, Taitou 1-chome, Taitou-ku, Tokyo
110-0016, Japan
TEL: +81-3-3835-2261
FAX: +81-3-3835-2265

Emergency telephone number

Emergency telephone Tokuyama Dental America, Inc. Tel: +1-760-942-7211
Days and hours of operation : 9:00-17:00(PST/PDT), Weekdays, except national holidays in US.
Language: English only.

2. Hazard identification

Classification of the substance or mixture

WHMIS Regulatory Status This product has been classified according to the hazard criteria of the Hazardous Product Regulations and the SDS contains all required information.

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

Label elements

Hazard statements NC Not Classified

3. Composition/information on ingredients

Mixtures

DIMETHYL POLYSILOXANE (VINYL TERMINATED)	**50-80%**
CAS number: 68083-19-2	

SILICA	**10-30%**
CAS number: 7631-86-9	

4. First-aid measures

Description of first aid measures

SOFRELINER TOUGH S-Paste

General information	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once.
Ingestion	Try to induce vomiting. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Most important symptoms and effects, both acute and delayed

General information	No information available.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Foam. Carbon dioxide or dry powder.

Specific hazards arising from the hazardous product

Specific hazards	Irritating gases or vapours.
Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours.
Special protective equipment for firefighters	Wear chemical protective suit.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions	No specific recommendations.

Methods and material for containment and cleaning up

Methods for cleaning up	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

Reference to other sections

Reference to other sections	For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions	All handling should only take place in well-ventilated areas.

Conditions for safe storage, including any incompatibilities

SOFRELINER TOUGH S-Paste

Storage precautions	Store at temperatures between 0°C/32°F and 25°C/77°F. Keep away from heat, sparks and open flame. Avoid exposure to high temperatures or direct sunlight.

Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

Ingredient comments	No exposure limits known for ingredient(s).

Exposure controls

Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	Wear protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Paste
Colour	Transparent, Pink
Odour	Not available.
Odour threshold	Not available.
pH	pH (concentrated solution): 7
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Evaporation factor	Not available.
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.1
Solubility(ies)	Not available.
Partition coefficient	Not available.

SOFRELINER TOUGH S-Paste

Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not available.
Other information	Not available.

10. Stability and reactivity

Reactivity	May polymerize.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	In contact with acids, alkalis or alcohols, generates hydrogen.
Conditions to avoid	Keep away from heat, sparks and open flame.
Materials to avoid	Strong oxidizing agents. Acids. Alkalis. Alcohols.
Hazardous decomposition products	Heating may generate the following products: Toxic gases or vapours.

11. Toxicological information

Information on toxicological effects

Routes of exposure	Skin , Eyes , Ingestion , Inhalation , Health effects: See section 4.

Acute toxicity - oral

Notes (oral LD_{50})	Not available.

Acute toxicity - dermal

Notes (dermal LD_{50})	Not available.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Not available.

Skin corrosion/irritation

Animal data	Not available.

Serious eye damage/irritation

Serious eye damage/irritation	Not available.

Germ cell mutagenicity

Genotoxicity - in vitro	Not available.
Genotoxicity - in vivo	Not available.

Carcinogenicity

Carcinogenicity	Not available.
IARC carcinogenicity	Some of the ingredients are listed or exempt.
NTP carcinogenicity	Some of the ingredients are listed or exempt.

SOFRELINER TOUGH S-Paste

OSHA Carcinogenicity None of the ingredients are listed.

Reproductive toxicity

Reproductive toxicity - fertility Not available.

Reproductive toxicity - development Not available.

Specific target organ toxicity - single exposure

STOT - single exposure Not available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not available.

Aspiration hazard

Aspiration hazard Not available.

Toxicological information on ingredients

SILICA

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

NTP carcinogenicity Reasonably anticipated to be a human carcinogen.

OSHA Carcinogenicity Not listed.

12. Ecological Information

Toxicity Not available.

Persistence and degradability

Persistence and degradability No data available.

Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Mobility in soil

Mobility No information available.

Other adverse effects

Other adverse effects Not known.

13. Disposal considerations

Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, TDG).

UN number

UN No. (International) Not applicable.

SOFRELINER TOUGH S-Paste

UN No. (DOT) Not applicable.

UN proper shipping name

Proper shipping name (International) Not applicable.

Proper shipping name (DOT) Not applicable.

Transport hazard class(es)

Transport Labels (International) Not applicable.

DOT transport label

Packing group

Packing group (International) Not applicable.

DOT packing group Not applicable.

Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

Special precautions for user

Not applicable.

DOT reportable quantity Not applicable.

DOT TIH Zone Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

Regulatory References According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR) Hazardous Products Regulations - SOR/2015-17. Transportation of Dangerous Goods Regulations - SOR/2015-100.

16. Other information

Training advice Ensure operatives are trained to minimize exposure. Only trained personnel should use this material.

Revision comments This is first issue.

Revision date 20/03/2018

Revision 1

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 replied 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 information.

SAFETY DATA SHEET
SOFRELINER TOUGH Primer

1. Identification

Product identifier

Product name SOFRELINER TOUGH Primer

Recommended use of the chemical and restrictions on use

Restriction on use Denture Liner, a component of kit. For dental professionals only.

Details of the supplier of the safety data sheet

Supplier Tokuyama Dental America, Inc.
740 Garden View CT., Suite 200 Encinitas, CA 92024 U.S.A.
Tel: +1-760-942-7211
Fax:+1-760-942-7212

Contact person http://www.tokuyama-dental.com/contact.htm

Manufacturer Tokuyama Dental Corporation
38-9, Taitou 1-chome, Taitou-ku, Tokyo
110-0016, Japan
TEL: +81-3-3835-2261
FAX: +81-3-3835-2265

Emergency telephone number

Emergency telephone Tokuyama Dental America, Inc. Tel: +1-760-942-7211
Days and hours of operation : 9:00-17:00(PST/PDT), Weekdays, except national holidays in US.
Language: English only.

2. Hazard identification

Classification of the substance or mixture

WHMIS Regulatory Status This product has been classified according to the hazard criteria of the Hazardous Product Regulations and the SDS contains all required information.

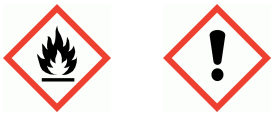
Physical hazards Flam. Liq. 2 - H225

Health hazards Eye Irrit. 2 - H319 STOT SE 3 - H336

Environmental hazards Not Classified

Label elements

Pictogram



Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

SOFRELINER TOUGH Primer

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE/doctor if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with local regulations.

3. Composition/information on ingredients

Mixtures

ETHYL ACETATE **60-100%**

CAS number: 141-78-6

4. First-aid measures

Description of first aid measures

General information Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation Move affected person to fresh air at once.

Ingestion Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact Wash skin thoroughly with soap and water.

Eye contact Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Most important symptoms and effects, both acute and delayed

Inhalation Vapours may cause drowsiness and dizziness.

Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact May cause severe eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

5. Fire-fighting measures

Extinguishing media

SOFRELINER TOUGH Primer

Suitable extinguishing media Extinguish with the following media: Foam. Carbon dioxide or dry powder.

Specific hazards arising from the hazardous product

Specific hazards Highly flammable liquid and vapour. Irritating gases or vapours.

Hazardous combustion products No known hazardous decomposition products.

Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours.

Special protective equipment for firefighters Wear chemical protective suit.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses.

Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

Reference to other sections

Reference to other sections For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions All handling should only take place in well-ventilated areas. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. Avoid breathing vapour/spray.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Store at temperatures between 0°C/32°F and 25°C/77°F.

Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

ETHYL ACETATE

Long-term exposure limit (8-hour TWA): ACGIH 400 ppm 1440 mg/m³
ACGIH = American Conference of Governmental Industrial Hygienists.

SOFRELINER TOUGH Primer

Exposure controls

Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Use explosion-proof electrical, ventilating and lighting equipment.
Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	Wear protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not eat, drink or smoke when using this product. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear, Colourless
Odour	Characteristic
Odour threshold	Not available.
pH	Not available.
Melting point	Not available.
Initial boiling point and range	77°C
Flash point	-4°C
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 2 % Upper flammable/explosive limit: 11.5 %
Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Partition coefficient	Not available.
Auto-ignition temperature	427°C
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not available.

SOFRELINER TOUGH Primer

Other information	Not available.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product. See the other subsections of this section for further details.
Stability	The product is highly flammable.
Possibility of hazardous reactions	Not known.
Conditions to avoid	Keep away from heat, sparks and open flame. Avoid exposure to high temperatures or direct sunlight.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Heating may generate the following products: Toxic gases or vapours.

11. Toxicological information

Information on toxicological effects

Routes of exposure	Skin , Eyes , Ingestion , Inhalation , Health effects: See section 4.

Acute toxicity - oral

Notes (oral LD_{50})	Not available.

Acute toxicity - dermal

Notes (dermal LD_{50})	Not available.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Not available.

Skin corrosion/irritation

Skin corrosion/irritation	Not available.
Animal data	Not available.

Serious eye damage/irritation

Serious eye damage/irritation	Eye Irrit. 2 - H319 Causes serious eye irritation.

Respiratory sensitization

Respiratory sensitization	Not available.

Skin sensitization

Skin sensitization	Not available.

Germ cell mutagenicity

Genotoxicity - in vitro	Not available.
Genotoxicity - in vivo	Not available.

Carcinogenicity

Carcinogenicity	Not available.
IARC carcinogenicity	None of the ingredients are listed.
NTP carcinogenicity	None of the ingredients are listed.

SOFRELINER TOUGH Primer

OSHA Carcinogenicity None of the ingredients are listed.

Reproductive toxicity

Reproductive toxicity - fertility Not available.

Reproductive toxicity - development Not available.

Specific target organ toxicity - single exposure

STOT - single exposure STOT SE 3 - H336 May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not available.

Aspiration hazard

Aspiration hazard Not available.

12. Ecological Information

Toxicity Not available.

Persistence and degradability

Persistence and degradability No data available.

Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Mobility in soil

Mobility No information available.

Other adverse effects

Other adverse effects Not known.

13. Disposal considerations

Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

UN number

UN No. (TDG) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

UN No. (DOT) UN1133

UN proper shipping name

Proper shipping name (TDG) ADHESIVES, containing flammable liquid

Proper shipping name (IMDG) ADHESIVES, containing flammable liquid

Proper shipping name (ICAO) ADHESIVES, containing flammable liquid

Proper shipping name (DOT) Adhesives, a containing flammable liquid

SOFRELINER TOUGH Primer

Transport hazard class(es)

DOT class	3
DOT hazard label	3
TDG class	3
TDG label(s)	3
IMDG class	3
ICAO class/division	3

DOT transport label

Transport labels

Packing group

TDG packing group	II
IMDG packing group	II
ICAO packing group	II
DOT packing group	II

Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

Special precautions for user

EmS	F-E, S-D
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

Regulatory References	According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR) Hazardous Products Regulations - SOR/2015-17. Transportation of Dangerous Goods Regulations - SOR/2015-100.

16. Other information

Training advice	Ensure operatives are trained to minimize exposure. Only trained personnel should use this material.
Revision comments	This is first issue.
Revision date	20/03/2018

SOFRELINER TOUGH Primer

Revision	1
Hazard statements in full	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

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 replied 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 information.