

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

071271766

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

071271758

**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).**

076749832

## SAFETY DATA SHEET

### TOKUYAMA REBASE III Powder

#### 1. Identification

##### Product identifier

**Product name** TOKUYAMA REBASE III Powder

##### Recommended use of the chemical and restrictions on use

**Application** Medical device : 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: (877) 378 3548 (Toll-Free)  
Tel: (760)942-7211  
Fax: (760)942-7212

**Contact Person** <http://www.tokuyama-dental.com/tdc/contact.html>

**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** California Poison Control System - San Francisco Division  
San Francisco General Hospital  
Bldg 5 Rm 2A21, 1001 Potrero Ave, San Francisco  
Emergency telephone number: 1 800 222 1222  
E-mail address: [coadmin@calpoison.org](mailto:coadmin@calpoison.org)  
[www.calpoison.org](http://www.calpoison.org)

National Capital Poison Center  
3201 New Mexico Ave, Ste 310, Washington DC  
Emergency telephone number: 1 800 222 1222  
Telephone number: +1 202 362 3867  
Facsimile number: +1 202 362 8377  
E-mail address: [pc@poison.org](mailto:pc@poison.org)  
[www.poison.org](http://www.poison.org)

#### 2. Hazard(s) identification

##### Classification of the substance or mixture

**OSHA Regulatory Status** This Product is Hazardous under the OSHA Hazard Communication Standard.

**Physical hazards** Not Classified

**Health hazards** Skin Sens. 1 - H317

**Environmental hazards** Not Classified

##### Label elements

## TOKUYAMA REBASE III Powder

### Hazard symbols



### Signal word

Warning

### Hazard statements

H317 May cause an allergic skin reaction.

### Precautionary statements

P261 Avoid breathing dust.  
 P272 Contaminated work clothing must not be allowed out of the workplace.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P302+P352 If on skin: Wash with plenty of water.  
 P321 Specific treatment (see medical advice on this label).  
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P501 Dispose of contents/ container in accordance with local regulations.

## 3. Composition/information on ingredients

### Mixtures

<b>BENZOYL PEROXIDE</b>	<b>1-5%</b>
CAS number: 94-36-0	
<b>TITANIUM DIOXIDE</b>	<b>&lt;1%</b>
CAS number: 13463-67-7	

## 4. First-aid measures

### Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once.
<b>Ingestion</b>	Try to induce vomiting. Get medical attention if any discomfort continues.
<b>Skin Contact</b>	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	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.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

### Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Not irritating.
<b>Skin contact</b>	Allergic rash. May cause sensitisation by skin contact. Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Slightly irritating.

### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations. Treat symptomatically.
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## 5. Fire-fighting measures

## TOKUYAMA REBASE III Powder

### Extinguishing media

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

### Special hazards arising from the substance or mixture

**Specific hazards** When heated and in case of fire, irritating vapors/gases may be formed. Dust may form explosive mixture with air.

**Hazardous combustion products** No known hazardous decomposition products.

### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapors. Dust may form explosive mixture with air. Avoid generation and spreading of dust.

**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** No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Collect and place in suitable waste disposal containers and seal securely. Avoid generation and spreading of dust.

**Precautionary measures to prevent the occurrence of secondary hazards** Dust may form explosive mixture with air. Avoid generation and spreading of dust.

**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. Dust may form explosive mixture with air. Avoid generation and spreading of dust. Prevent accumulation of dust. Avoid inhalation of dust and contact with skin and eyes.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. 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. Take off contaminated clothing and wash it before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures between 0°C/32°F and 25°C/77°F.

### Specific end uses(s)

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

## 8. Exposure controls/Personal protection

### Control parameters

## TOKUYAMA REBASE III Powder

### Occupational exposure limits

Inert or Nuisance Dust

Particulates Not Otherwise Regulated (PNOR)

Long-term exposure limit (8-hour TWA): OSHA 15 mppcf 5 mg/m<sup>3</sup> respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 50 mppcf 15 mg/m<sup>3</sup> total dust

mppcf : Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques.

OSHA = Occupational Safety & Health Administration

### **BENZOYL PEROXIDE**

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m<sup>3</sup>

A4

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup>

### **TITANIUM DIOXIDE**

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m<sup>3</sup>

A4

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

OSHA = Occupational Safety and Health Administration.

### Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>Eye/face protection</b>	The following protection should be worn: Dust-resistant, chemical splash goggles.
<b>Hand protection</b>	Wear protective gloves.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Do not eat, drink or smoke when using this product. 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. Take off contaminated clothing and wash it before reuse.
<b>Respiratory protection</b>	Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Powder
<b>Color</b>	Pink
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.

## TOKUYAMA REBASE III Powder

<b>Evaporation factor</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Other flammability</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	St2, strong
<b>Oxidizing properties</b>	The product contains a substance classified as oxidizing. Organic peroxides/hydroperoxides.
<b>Other information</b>	Not available.

### 10. Stability and reactivity

<b>Reactivity</b>	Dust may form explosive mixture with air. See the other subsections of this section for further details.
<b>Stability</b>	Dust may form explosive mixture with air.
<b>Possibility of hazardous reactions</b>	Dust may form explosive mixture with air.
<b>Conditions to avoid</b>	Keep away from heat, sparks and open flame. Avoid exposure to high temperatures or direct sunlight. Avoid generation and spreading of dust.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Heating may generate the following products: Toxic gases or vapors.

### 11. Toxicological information

#### Information on toxicological effects

<b>Toxicological effects</b>	No data on possible toxic effects have been found.
<b>Routes of exposure</b>	Skin , Eyes , Ingestion , Inhalation , Health effects: See section 4.
<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	Not available.
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	Not available.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	Not available.

## TOKUYAMA REBASE III Powder

### Skin corrosion/irritation

Skin corrosion/irritation Not available.

Animal data Not available.

### Serious eye damage/irritation

Serious eye damage/irritation Not available.

### 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 Some of the ingredients are listed or exempt.

NTP carcinogenicity Some of the ingredients are listed or exempt.

OSHA Carcinogenicity Not 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.

#### BENZOYL PEROXIDE

##### 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.

#### TITANIUM DIOXIDE

##### Carcinogenicity

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

NTP carcinogenicity Reasonably anticipated to be a human carcinogen.

OSHA Carcinogenicity Not listed.

## TOKUYAMA REBASE III Powder

### 12. Ecological information

**Toxicity** Not available.

**Persistence and degradability**

**Persistence and degradability** No data available.

**Bioaccumulative potential**

**Bio-Accumulative 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, DOT).

**UN Number**

**UN No. (International)** Not applicable.

**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)** No transport warning sign required.

**DOT transport labels**

No transport warning sign required.

**Packing group**

**Packing group (International)** Not applicable.

**DOT packing group** Not applicable.

**Environmental hazards**

**Environmentally Hazardous Substance**  
No.

**Special precautions for user**



## TOKUYAMA REBASE III Powder

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 Status** This Product is Hazardous under the OSHA Hazard Communication Standard.

**Regulatory References** 29 CFR 1910. 1200(g) Federal Regulations (OSHA Standard).

#### US Federal Regulations

##### **SARA 313 Emission Reporting**

*SILICA VITREOUS*

0 %

*BENZOYL PEROXIDE*

1.0 %

##### **SARA (311/312) Hazard Categories**

Acute

##### **OSHA Highly Hazardous Chemicals**

*BENZOYL PEROXIDE*

Threshold Quantity: 7500 lbs

#### US State Regulations

##### **California Proposition 65 Carcinogens and Reproductive Toxins**

*TITANIUM DIOXIDE*

Carcinogen.

##### **California Air Toxics "Hot Spots" (A-I)**

*BENZOYL PEROXIDE*

Present.

##### **California Directors List of Hazardous Substances**

*BENZOYL PEROXIDE*

Present.

##### **Massachusetts "Right To Know" List**

*SILICA VITREOUS*

Present.

*TITANIUM DIOXIDE*

Present.

*BENZOYL PEROXIDE*

Present.

##### **Rhode Island "Right To Know" List**

**TOKUYAMA REBASE III Powder***SILICA VITREOUS*

Present.

*TITANIUM DIOXIDE*

Present.

*BENZOYL PEROXIDE*

Present.

**Minnesota "Right To Know" List***SILICA VITREOUS*

Present.

*TITANIUM DIOXIDE*

Present.

*BENZOYL PEROXIDE*

Present.

**New Jersey "Right To Know" List***SILICA VITREOUS*

Present.

*TITANIUM DIOXIDE*

Present.

*BENZOYL PEROXIDE*

Present.

**Pennsylvania "Right To Know" List***TITANIUM DIOXIDE*

Present.

*BENZOYL PEROXIDE*

Present.

**16. Other information**

<b>Training advice</b>	Ensure operatives are trained to minimize exposure. Only trained personnel should use this material.
<b>Revision comments</b>	This is the first issue.
<b>Revision date</b>	6/1/2020
<b>Revision</b>	1
<b>Hazard statements in full</b>	H317 May cause an allergic skin reaction.

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 information.

# SAFETY DATA SHEET

## TOKUYAMA REBASE III Liquid

### 1. Identification

#### Product identifier

**Product name** TOKUYAMA REBASE III Liquid

#### Recommended use of the chemical and restrictions on use

**Application** Medical device : 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: (877) 378 3548 (Toll-Free)  
Tel: (760)942-7211  
Fax: (760)942-7212

**Contact Person** <http://www.tokuyama-dental.com/tdc/contact.html>

**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** California Poison Control System - San Francisco Division  
San Francisco General Hospital  
Bldg 5 Rm 2A21, 1001 Potrero Ave, San Francisco  
Emergency telephone number: 1 800 222 1222  
E-mail address: [coadmin@calpoison.org](mailto:coadmin@calpoison.org)  
[www.calpoison.org](http://www.calpoison.org)

National Capital Poison Center  
3201 New Mexico Ave, Ste 310, Washington DC  
Emergency telephone number: 1 800 222 1222  
Telephone number: +1 202 362 3867  
Facsimile number: +1 202 362 8377  
E-mail address: [pc@poison.org](mailto:pc@poison.org)  
[www.poison.org](http://www.poison.org)

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**Physical hazards** Not Classified

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317

**Environmental hazards** Not Classified

#### Label elements

##### Hazard symbols



## TOKUYAMA REBASE III Liquid

<b>Signal word</b>	Warning
<b>Hazard statements</b>	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.
<b>Precautionary statements</b>	P261 Avoid breathing vapor/ spray. P264 Wash contaminated skin thoroughly after handling. P272 Contaminated work clothing must not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 If on skin: Wash with plenty of water. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/ container in accordance with local regulations.

### 3. Composition/information on ingredients

#### Mixtures

<b>2-METHACRYLOYLOXYETHYL PROPIONATE</b> CAS number: 112861-95-7	<b>30-60%</b>
<b>NONAMETHYLENDIOL DIMETHACRYLATE</b> CAS number: 65833-30-9	<b>30-60%</b>
<b>N,N,4-TRIMETHYLANILINE</b> CAS number: 99-97-8	<b>&lt;1%</b>
<b>p-TOLYL DIETHANOLLAMINE</b> CAS number: 3077-12-1	<b>&lt;1%</b>
<b>2,6-DI-tert-BUTYL-p-CRESOL</b> CAS number: 128-37-0	<b>&lt;1%</b>

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention.

## TOKUYAMA REBASE III Liquid

**Skin Contact** Wash skin thoroughly with soap and water. Take off immediately all contaminated clothing and wash it before reuse. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Get medical attention if symptoms are severe or persist after washing.

**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 and get medical attention.

**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue.

### Most important symptoms and effects, both acute and delayed

**Ingestion** May cause sensitization or allergic reactions in sensitive individuals. May cause irritation.

**Skin contact** Causes skin irritation. Redness. May cause an allergic skin reaction. Allergic rash.

**Eye contact** Causes serious eye irritation.

### Indication of immediate medical attention and special treatment needed

**Notes for the doctor** Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.

## 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder. Use fire-extinguishing media suitable for the surrounding fire.

### Special hazards arising from the substance or mixture

**Specific hazards** Combustible liquid. Vapors may be ignited by a spark, a hot surface or an ember. May ignite other combustible materials.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapors.

**Special protective equipment for firefighters** Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents. Use protective equipment appropriate for surrounding materials. Avoid breathing fire gases or vapors.

## 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. Keep unnecessary and unprotected personnel away from the spillage. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapors and contact with skin and eyes.

### Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## TOKUYAMA REBASE III Liquid

<b>Precautionary measures to prevent the occurrence of secondary hazards</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>Reference to other sections</b>	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### 7. Handling and storage

#### Precautions for safe handling

<b>Usage precautions</b>	Read and follow manufacturer's recommendations. Use only in well-ventilated areas. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Avoid inhalation of vapors/spray and contact with skin and eyes. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Do not handle broken packages without protective equipment. Keep away from food, drink and animal feeding stuffs.
<b>Advice on general occupational hygiene</b>	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

#### Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Store away from incompatible materials (see Section 10). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Keep container tightly closed, in a cool, well ventilated place. Store at temperatures between 0°C/32°F and 25°C/72°F. Protect containers from damage.
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#### Specific end uses(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.
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### 8. Exposure controls/Personal protection

#### Control parameters

#### Occupational exposure limits

#### **2,6-DI-tert-BUTYL-p-CRESOL**

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m<sup>3</sup> inhalable fraction and vapor  
A4

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

#### Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>Eye/face protection</b>	Wear tight-fitting, chemical splash goggles or face shield. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
<b>Hand protection</b>	Wear protective gloves.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.

## TOKUYAMA REBASE III Liquid

<b>Hygiene measures</b>	Promptly remove any clothing that becomes wet or contaminated. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Warn cleaning personnel of any hazardous properties of the product.
<b>Respiratory protection</b>	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Color</b>	Clear, Colorless
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	117°C Cleveland open cup method
<b>Evaporation rate</b>	Not available.
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Other flammability</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.
<b>Other information</b>	Not available.

### 10. Stability and reactivity

<b>Reactivity</b>	May polymerize. See the other subsections of this section for further details.
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## TOKUYAMA REBASE III Liquid

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	Not known.
<b>Conditions to avoid</b>	Keep away from heat, sparks and open flame. Avoid exposure to high temperatures or direct sunlight.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Heating may generate the following products: Toxic gases or vapors.

### 11. Toxicological information

#### Information on toxicological effects

<b>Toxicological effects</b>	No data on possible toxic effects have been found.
<b>Routes of exposure</b>	Skin , Eyes , Ingestion , Inhalation , Health effects: See section 4.
<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	Not available.
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	Not available.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	Not available.
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Animal data</b>	Not available.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b><u>Respiratory sensitization</u></b>	
<b>Respiratory sensitization</b>	Not available.
<b><u>Skin sensitization</u></b>	
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Not available.
<b>Genotoxicity - in vivo</b>	Not available.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Not available.
<b>IARC carcinogenicity</b>	Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans. IARC Group 3 Not classifiable as to its carcinogenicity to humans.
<b>NTP carcinogenicity</b>	Contains a substance which may be potentially carcinogenic. Reasonably anticipated to be a human carcinogen.
<b>OSHA Carcinogenicity</b>	Not listed.
<b><u>Reproductive toxicity</u></b>	



## TOKUYAMA REBASE III Liquid

**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.**

**N,N,4-TRIMETHYLANILINE**

**Carcinogenicity**

**IARC carcinogenicity** IARC Group 2B Possibly carcinogenic to humans.

**2,6-DI-tert-BUTYL-p-CRESOL**

**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**

**Ecotoxicity** Not available.

**Toxicity** Not available.

**Ecological information on ingredients.**

**2,6-DI-tert-BUTYL-p-CRESOL**

**Chronic aquatic toxicity**

**M factor (Chronic)** 1

**Persistence and degradability**

**Persistence and degradability** The degradability of the product is not known.

**Bioaccumulative potential**

**Bio-Accumulative Potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

**Mobility in soil**

**Mobility** No information available.

**Other adverse effects**

**Other adverse effects** None known.

**13. Disposal considerations**

**Waste treatment methods**

## TOKUYAMA REBASE III Liquid

**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, DOT).

#### UN Number

**UN No. (International)**                      Not applicable.

**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)**                      No transport warning sign required.

**DOT transport labels**  
No transport warning sign required.

#### Packing group

**Packing group (International)**                      Not applicable.

**DOT packing group**                                      Not applicable.

#### Environmental hazards

**Environmentally Hazardous Substance**  
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 Status**                                      This Product is Hazardous under the OSHA Hazard Communication Standard.

**Regulatory References**                                      29 CFR 1910. 1200(g) Federal Regulations (OSHA Standard).

#### US Federal Regulations

##### **SARA (311/312) Hazard Categories**

Fire  
Acute

#### US State Regulations

## TOKUYAMA REBASE III Liquid

### California Proposition 65 Carcinogens and Reproductive Toxins

*N,N,4-TRIMETHYLANILINE*

Carcinogen.

### California Directors List of Hazardous Substances

*2,6-DI-tert-BUTYL-p-CRESOL*

Present.

### Massachusetts "Right To Know" List

*2,6-DI-tert-BUTYL-p-CRESOL*

Present.

### Rhode Island "Right To Know" List

*2,6-DI-tert-BUTYL-p-CRESOL*

Present.

### Minnesota "Right To Know" List

*2,6-DI-tert-BUTYL-p-CRESOL*

Present.

### New Jersey "Right To Know" List

*2,6-DI-tert-BUTYL-p-CRESOL*

Present.

### Pennsylvania "Right To Know" List

*2,6-DI-tert-BUTYL-p-CRESOL*

Present.

## 16. Other information

### Classification abbreviations and acronyms

Eye Irrit. = Eye irritation

Skin Irrit. = Skin irritation

Skin Sens. = Skin sensitisation

### Training advice

Read and follow manufacturer's recommendations. Only trained personnel should use this material.

### Revision comments

This is the first issue.

### Revision date

6/1/2020

### Revision

1

### Hazard statements in full

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

Revision Date 6/1/2020

Revision 1

## SAFETY DATA SHEET

### TOKUYAMA REBASE Adhesive

#### 1. IDENTIFICATION

<b>Product Name</b>	TOKUYAMA REBASE Adhesive
<b>Identified uses</b>	Medical device : Denture Liner, a component of kit. For dental
<b>Supplier</b>	professionals only. Tokuyama Dental America Inc. Tel: (877) 378 3548 (Toll-Free) Tel: (760)942-7211 Fax: (760)942-7212
<b>Contact Person</b>	<a href="http://www.tokuyama-dental.com/tdc/contact.html">http://www.tokuyama-dental.com/tdc/contact.html</a>
<b>Manufacturer</b>	Tokuyama Dental Corporation 38-9, Taitou 1-chome, Taitou-ku, Tokyo 110-0016, Japan TEL: +81-3-3835-2261
<b>Emergency Telephone</b>	California Poison Control System - San Francisco Division San Francisco General Hospital Bldg 5 Rm 2A21, 1001 Potrero Ave, San Francisco Emergency telephone number: 1 800 222 1222 E-mail address: <a href="mailto:coadmin@calpoison.org">coadmin@calpoison.org</a> <a href="http://www.calpoison.org">http://www.calpoison.org</a>  National Capital Poison Center 3201 New Mexico Ave, Ste 310, Washington DC Emergency telephone number: 1 800 222 1222 Telephone number: +1 202 362 3867 Facsimile number: +1 202 362 8377 E-mail address: <a href="mailto:pc@poison.org">pc@poison.org</a> <a href="http://www.poison.org">http://www.poison.org</a>

#### 2. HAZARD(S) IDENTIFICATION

<b>Appearance</b>	Clear liquid
<b>Color</b>	Yellowish
<b>Odor</b>	Characteristic
<b>GHS Pictogram</b>	



**Signal Word** Danger

#### Hazard Statements

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

#### Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	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 CENTER or doctor/physician if you feel unwell.

## TOKUYAMA REBASE Adhesive

Contains	P403+233	Store in a well-ventilated place. Keep container tightly closed.
	P501	Dispose of contents/container in accordance with local regulations.
	ACETONE	
	ETHYL ACETATE	
<b>GHS Classification</b>		
	Physical and Chemical Hazards	Flam. Liq. 2 - H225
	Human health	Eye Irrit. 2 - H319; STOT SE 3 - H336
	Environment	Not classified.

### Hazard Not Otherwise Classified (HNOC)

Repeated exposure may cause skin dryness or cracking.

### OSHA Regulatory Status

This Product is Hazardous under the OSHA Hazard Communication Standard.

### General Information

May cause irritation to the respiratory system. Vapors may cause drowsiness and dizziness. IF SWALLOWED: Slightly irritating. ( DIGESTIVE SYSTEM. ) This chemical may cause skin/eye irritation. Product has a defatting effect on skin. Prolonged skin contact may cause redness, irritation and dry skin.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>ACETONE</b>	<b>30-60%</b>
CAS No.: 67-64-1	EC No.: 200-662-2
GHS Classification Flam. Liq. 2 - H225; Eye Irrit. 2 - H319; STOT SE 3 - H336	
<b>ETHYL ACETATE</b>	<b>30-60%</b>
CAS No.: 141-78-6	EC No.: 205-500-4
GHS Classification Flam. Liq. 2 - H225; Eye Irrit. 2 - H319; STOT SE 3 - H336	

## 4. FIRST-AID MEASURES

### Description of first aid measures

#### General Information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### Inhalation

Move the exposed person to fresh air at once.

#### Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

#### Skin Contact

Wash the skin immediately with soap and water.

#### Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

### Most important symptoms and effects, both acute and delayed

#### Inhalation

Irritating to respiratory system. Vapors may cause drowsiness and dizziness.

#### Ingestion

Slightly irritating. ( DIGESTIVE SYSTEM. )

#### Skin Contact

Slightly irritating. Product has a defatting effect on skin. Prolonged contact may cause redness and irritation.

## TOKUYAMA REBASE Adhesive

### Eye Contact

Irritating and may cause redness and pain.

### Indication of any immediate medical attention and special treatment needed

### Notes To The Physician

CAUTION! First aid personnel must be aware of own risk during rescue! Wear suitable protective clothing.

## 5. FIRE-FIGHTING MEASURES

### Auto Ignition Temperature (°C)

Not available.

### Flammability Limit - Lower(%)

Not available.

### Flammability Limit - Upper(%)

Not available.

**Flash point (°C)** -14°C

### Extinguishing Media

Fire can be extinguished using: Foam. Carbon dioxide or dry powder.

### Specific Hazards

When heated and in case of fire, irritating vapors/gases may be formed.

### Special Fire Fighting Procedures

Avoid breathing fire vapors.

### Protective Equipment For Fire-Fighters

Wear full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

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

### Environmental Precautions

Do not allow to enter drains, sewers or watercourses.

### Spill Clean Up Methods

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer.

### Reference to other sections

For personal protection, see section 8.

## 7. HANDLING AND STORAGE

### Handling

All handling to take place in well-ventilated area.

### Storage

Store in a cool, dark place (0-25°C, 32-77°F). Keep away from heat, direct sunlight, sparks and open flames.

### Storage Class

Flammable liquid storage.

### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
ACETONE	PEL	1000 ppm	2400 mg/m3			
ACETONE	ACGIH	500 ppm		750 ppm		A4
ETHYL ACETATE	ACGIH	400 ppm				
ETHYL ACETATE	PEL	400 ppm	1400 mg/m3			

## TOKUYAMA REBASE Adhesive

COMPONENT	IDLH
ACETONE	2500 ppm
ETHYL ACETATE	2000 ppm

ACGIH=American Conference of Governmental Industrial Hygienists.

A4: Not Classifiable as a Human Carcinogen.

### Protective Equipment



### Engineering Measures

Provide adequate general and local exhaust ventilation.

### Respiratory Equipment

In case of inadequate ventilation use suitable respirator.

### Hand Protection

Wear protective gloves.

### Eye Protection

Wear approved safety goggles.

### Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear liquid.
<b>Color</b>	Yellowish
<b>Odor</b>	Characteristic.
<b>Solubility</b>	No information available.
<b>Initial boiling point and boiling range</b>	57°C
<b>Melting point (°C)</b>	Not available.
<b>Relative density</b>	Not available.
<b>Vapor density (air=1)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>pH-Value, Conc. Solution</b>	Not available.
<b>pH-Value, Diluted Solution</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Decomposition temperature (°C)</b>	Not available.
<b>Odour Threshold, Lower</b>	Not available.
<b>Odour Threshold, Upper</b>	Not available.
<b>Flash point</b>	-14°C

## TOKUYAMA REBASE Adhesive

### Auto Ignition Temperature (°C)

Not available.

### Flammability Limit - Lower(%)

Not available.

### Flammability Limit - Upper(%)

Not available.

### Partition Coefficient

(N-Octanol/Water)

Not available.

### Explosive properties

Not available.

### Other Flammability

Not available.

### Oxidising properties

Not available.

## 10. STABILITY AND REACTIVITY

### Reactivity

No information available.

### Stability

HIGHLY FLAMMABLE!

Hazardous reactions:

Not available.

### Conditions To Avoid

Keep away from heat, sparks and open flame. Protect against direct sunlight.

### Materials To Avoid

Strong oxidizing agents.

### Hazardous Decomposition Products

Toxic gases are generated when heated.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity:

Not available.

### Skin Corrosion/Irritation:

Slightly irritating. Product has a defatting effect on skin. Prolonged skin contact may cause redness and irritation.

### Serious eye damage/irritation:

Irritating and may cause redness and pain.

### Respiratory or skin sensitisation:

#### Respiratory sensitisation

Not available.

#### Skin sensitisation

Not available.

### Germ cell mutagenicity:

Not available.

### Carcinogenicity:

Acetone

EPA: Data are inadequate for an assessment of human carcinogenic potential

#### IARC Carcinogenicity

Not listed.

#### NTP - Carcinogenicity

Not listed.

#### OSHA - Carcinogenicity

Not listed.



## TOKUYAMA REBASE Adhesive

### Reproductive Toxicity:

Not available.

### Specific target organ toxicity - single exposure:

Irritating to respiratory system. Vapors may cause drowsiness and dizziness.

### Specific target organ toxicity - repeated exposure:

#### **STOT - Repeated exposure**

Not available.

### Aspiration hazard:

#### **Viscosity**

Not available.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

No data on possible environmental effects have been found.

### **Toxicity**

No data available.

### **Degradability**

No data available.

### **Bioaccumulative potential**

No data available on bioaccumulation.

### **Partition coefficient**

Not available.

### **Mobility:**

No information available.

### **Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB Substances.

### **Other adverse effects**

Not known.

## 13. DISPOSAL CONSIDERATIONS

### **Disposal Methods**

Dispose of waste and residues in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

<b>UN No. (DOT/TDG)</b>	1133
<b>UN No. (IMDG)</b>	1133
<b>UN No. (ICAO)</b>	1133
<b>DOT Proper Shipping Name</b>	ADHESIVES, CONTAINING A FLAMMABLE LIQUID
<b>TDG Proper Shipping Name</b>	ADHESIVES, CONTAINING A FLAMMABLE LIQUID
<b>DOT Hazard Class</b>	3
<b>DOT Hazard Label</b>	Flammable Liquid
<b>TDG Class</b>	3
<b>TDG Label(s)</b>	3
<b>IMDG Class</b>	3
<b>ICAO Class</b>	3
<b>Transport Labels</b>	

## TOKUYAMA REBASE Adhesive



DOT Pack Group II

IMDG Pack Group II

Air Pack Group II

Environmentally Hazardous Substance/Marine Pollutant  
No.

EMS F-E, S-D

Special precautions for user Not applicable.

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

## 15. REGULATORY INFORMATION

### Regulatory Status (US)

This Product is Hazardous under the OSHA Hazard Communication Standard.

### Regulatory References

29 CFR 1910. 1200(g) Federal Regulations (OSHA Standard).

### US Federal Regulations

#### SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

#### CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

All ingredients are listed.

ACETONE; 5, 000 lbs (2270 Kg)

ETHYL ACETATE; 5, 000 lbs (2270 Kg)

#### SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

#### SARA 313 Emission Reporting

None of the ingredients are listed.

#### CAA Accidental Release Prevention

None of the ingredients are listed.

#### SARA (311/312) Hazard Categories

Fire Acute

#### OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

### US State Regulations

#### California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed.

#### California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed.

#### California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed.

#### Massachusetts "Right To Know" List

All ingredients are listed.

#### Rhode Island "Right To Know" List

All ingredients are listed.

#### Minnesota "Right To Know" List

All ingredients are listed.

## TOKUYAMA REBASE Adhesive

**New Jersey "Right To Know" List**

All ingredients are listed.

**Pennsylvania "Right To Know" List**

All ingredients are listed.

**International Inventories****EU - EINECS/ELINCS**

All ingredients are listed or exempt.

**Canada – DSL/NDSL**

All ingredients are listed or exempt.

**US - TSCA**

All ingredients are listed or exempt.

**US – TSCA 12(b) Export Notification**

None of the ingredients are listed.

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**16. OTHER INFORMATION**

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**Revision Comments**

**Revision Date** 6/1/2020

**Revision** 1

**Disclaimer**

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 information.