# SAFETY DATA SHEET
## TOKUYAMA REBASE II Powder

## 1. IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>TOKUYAMA REBASE II Powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identified uses</td>
<td>Denture Liner, a component of kit. For dental professionals only.</td>
</tr>
<tr>
<td>Supplier</td>
<td>Tokuyama Dental America Inc.</td>
</tr>
<tr>
<td>Contact Person</td>
<td><a href="http://www.tokuyama-dental.com/tdc/contact.html">http://www.tokuyama-dental.com/tdc/contact.html</a></td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Tokuyama Dental Corporation</td>
</tr>
<tr>
<td></td>
<td>38-9, Taitou 1-chome, Taitou-ku, Tokyo</td>
</tr>
<tr>
<td></td>
<td>110-0016, Japan</td>
</tr>
<tr>
<td></td>
<td>TEL: +81-3-3835-2261</td>
</tr>
</tbody>
</table>

### 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
  - 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
  - http://www.poison.org

## 2. HAZARD(S) IDENTIFICATION

### Appearance

- Powder

### Color

- Pink

### Odor

- No information available.

### GHS Pictogram

![Warning Pictogram]

### Signal Word

- Warning

### Hazard Statements

- **H317**
  - May cause an allergic skin reaction.

### Precautionary Statements

- **P261**
  - Avoid breathing vapour/spray.
- **P280**
  - Wear protective gloves/protective clothing/eye protection/face protection.
- **P302+352**
  - IF ON SKIN: Wash with plenty of soap and water.
TOKUYAMA REBASE II Powder

Dispose of contents/container in accordance with local regulations.

Contains
BENZOYL PEROXIDE

GHS Classification
Physical and Chemical Hazards Not classified.
Human health Skin Sens. 1 - H317
Environment Not classified.

Hazard Not Otherwise Classified (HNOC)
Not applicable.

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

General Information
Prolonged contact may cause redness and irritation. May cause sensitization by skin contact. May cause minor irritation on eye contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>BENZOYL PEROXIDE</th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.: 94-36-0</td>
<td>EC No.: 202-327-6</td>
</tr>
</tbody>
</table>

GHS Classification
Org. Perox. B - H241; Eye Irrit. 2 - H319; Skin Sens. 1 - H317

<table>
<thead>
<tr>
<th>TITANIUM DIOXIDE</th>
<th>&lt; 1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No.: 13463-67-7</td>
<td>EC No.: 236-675-5</td>
</tr>
</tbody>
</table>

GHS Classification
Acute Tox. 4 - H332; Carc. 2 - H351

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
Try to induce vomiting. 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
Not irritating.

Skin Contact
Prolonged contact may cause redness and irritation. May cause sensitization by skin contact.

Eye Contact
Slightly irritating.

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)
Not available.

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.

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
Chemical storage.

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>STD</th>
<th>TWA (8-hrs)</th>
<th>STEL (15 min)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENZOYL PEROXIDE</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BENZOYL PEROXIDE</td>
<td>ACGIH</td>
<td>5 mg/m³</td>
<td></td>
<td>A4</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>ACGIH</td>
<td>10 mg/m³</td>
<td></td>
<td>A4</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENZOYL PEROXIDE</td>
<td>1500 mg/m³</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>5000 mg/m³</td>
</tr>
</tbody>
</table>

ACGIH=American Conference of Governmental Industrial Hygienists.
A4: Not Classifiable as a Human Carcinogen.

Protective Equipment
TOKUYAMA REBASE II Powder

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.

<table>
<thead>
<tr>
<th>9. PHYSICAL AND CHEMICAL PROPERTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
</tr>
<tr>
<td><strong>Color</strong></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
</tr>
<tr>
<td><strong>Melting point (°C)</strong></td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
</tr>
<tr>
<td><strong>Vapor density (air=1)</strong></td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
</tr>
<tr>
<td><strong>pH-Value, Conc. Solution</strong></td>
</tr>
<tr>
<td><strong>pH-Value, Diluted Solution</strong></td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
</tr>
<tr>
<td><strong>Decomposition temperature (°C)</strong></td>
</tr>
<tr>
<td><strong>Odour Threshold, Lower</strong></td>
</tr>
<tr>
<td><strong>Odour Threshold, Upper</strong></td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
</tr>
<tr>
<td><strong>Auto Ignition Temperature (°C)</strong></td>
</tr>
<tr>
<td><strong>Flammability Limit - Lower(%)</strong></td>
</tr>
<tr>
<td><strong>Flammability Limit - Upper(%)</strong></td>
</tr>
</tbody>
</table>
### TOKUYAMA REBASE II Powder

**Partition Coefficient**  
(N- Octanol/Water)  
Not available.

**Explosive properties**  
Explosive Properties: St2, strong

**Other Flammability**  
Not available.

**Oxidising properties**  
Not available.

### 10. STABILITY AND REACTIVITY

**Reactivity**  
No information available.

**Stability**  
Dust may form an explosive mixture in the atmosphere.

**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:**  
Prolonged contact may cause redness and irritation.

**Serious eye damage/Irritation:**  
Slightly Irritating.

**Respiratory or skin sensitisation:**  
Respiratory sensitisation  
Not available.

**Skin sensitisation**  
May cause sensitization by skin contact.

**Germ cell mutagenicity:**  
Not available.

**Carcinogenicity:**

IARC Carcinogenicity  
BENZOYL PEROXIDE : IARC Group 3  Not classifiable as to its carcinogenicity to humans.  
TITANIUM DIOXIDE: IARC Group 2B  Possibly carcinogenic to humans.

NTP - Carcinogenicity  
Not listed.

OSHA - Carcinogenicity  
Not listed.

**Reproductive Toxicity:**  
Not available.

**Specific target organ toxicity - single exposure:**
TOKUYAMA REBASE II Powder

STOT - Single exposure
Not available.

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

General
Not regulated.

UN No. (DOT/TDG) N/A

UN No. (IMDG) N/A

UN No. (ICAO) N/A

DOT Proper Shipping Name Not applicable.

DOT Hazard Class
No classification noted.

DOT Hazard Label
No DOT label requirement noted

IMDG Class Not applicable.

ICAO Class Not applicable.

Transport Labels
No transport warning sign required.

DOT Pack Group Not applicable.

IMDG Pack Group Not applicable.

Air Pack Group Not applicable.

Environmentally Hazardous Substance/Marine Pollutant
No.
TOKUYAMA REBASE II Powder

Special precautions for user
Not applicable.

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

<table>
<thead>
<tr>
<th>15. REGULATORY INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Regulatory Status (US)</strong></td>
</tr>
<tr>
<td>This Product is Hazardous under the OSHA Hazard Communication Standard. California Proposition 65. Warning : Titanium dioxide. This product contains a chemical known to the State of California to cause cancer.</td>
</tr>
<tr>
<td><strong>Regulatory References</strong></td>
</tr>
<tr>
<td><strong>US Federal Regulations</strong></td>
</tr>
<tr>
<td>SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities</td>
</tr>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)</td>
</tr>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>SARA Extremely Hazardous Substances EPCRA Reportable Quantities</td>
</tr>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>SARA 313 Emission Reporting</td>
</tr>
<tr>
<td>The following ingredients are listed.</td>
</tr>
<tr>
<td>BENZOYL PEROXIDE</td>
</tr>
<tr>
<td>CAA Accidental Release Prevention</td>
</tr>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>SARA (311/312) Hazard Categories</td>
</tr>
<tr>
<td>Acute</td>
</tr>
<tr>
<td>OSHA Highly Hazardous Chemicals</td>
</tr>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td><strong>US State Regulations</strong></td>
</tr>
<tr>
<td>California Proposition 65 Carcinogens and Reproductive Toxins</td>
</tr>
<tr>
<td>The following ingredients are listed.</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE; Known to the State of California to cause cancer.</td>
</tr>
<tr>
<td>California Air Toxics &quot;Hot Spots&quot; (A-I)</td>
</tr>
<tr>
<td>The following ingredients are listed.</td>
</tr>
<tr>
<td>BENZOYL PEROXIDE</td>
</tr>
<tr>
<td>California Air Toxics &quot;Hot Spots&quot; (A-II)</td>
</tr>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>Massachusetts &quot;Right To Know&quot; List</td>
</tr>
<tr>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td>Rhode Island &quot;Right To Know&quot; List</td>
</tr>
<tr>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td>Minnesota &quot;Right To Know&quot; List</td>
</tr>
<tr>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td>New Jersey &quot;Right To Know&quot; List</td>
</tr>
<tr>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td>Pennsylvania &quot;Right To Know&quot; List</td>
</tr>
<tr>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td><strong>International Inventories</strong></td>
</tr>
<tr>
<td>EU - EINECS/ELINCS</td>
</tr>
<tr>
<td>All ingredients are listed or exempt.</td>
</tr>
<tr>
<td>Canada – DSL/NDSL</td>
</tr>
<tr>
<td>All ingredients are listed or exempt.</td>
</tr>
<tr>
<td>US - TSCA</td>
</tr>
<tr>
<td>All ingredients are listed or exempt.</td>
</tr>
<tr>
<td>US – TSCA 12(b) Export Notification</td>
</tr>
<tr>
<td>None of the ingredients are listed.</td>
</tr>
</tbody>
</table>
### 16. OTHER INFORMATION

**Revision Comments**

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>01/17/2018</td>
<td>3</td>
</tr>
</tbody>
</table>

**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.