

## SAFETY DATA SHEET

### TOKUYAMA REBASE II Adhesive

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** TOKUYAMA REBASE II Adhesive

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Denture Liner, a component of kit. For dental professionals only.

##### 1.3. Details of the supplier of the safety data sheet

###### Supplier

Tokuyama Dental Italy S.r.l.  
Via Chizzalunga, 1,  
36066 Sandrigo, Vicenza, Italy  
TEL: +39-0444-659650  
FAX: +39-0444-750345

###### 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

##### 1.4. Emergency telephone number

###### Emergency telephone

Regional Medicines and Poisons Information Centre NI,  
Pharmacy Department  
Royal Hospital Suite, Grosvenor Road, Belfast  
Emergency telephone: 844 892 0111  
Telephone: +44 28 90 63 2032  
Fax: +44 28 90 24 8030  
E-mail address: [nirdic.nirdic@belfasttrust.hscni.net](mailto:nirdic.nirdic@belfasttrust.hscni.net)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 2 - H225  
**Health hazards** Eye Irrit. 2 - H319: STOT SE 3 - H336  
**Environmental hazards** Not Classified

##### 2.2. 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.

# TOKUYAMA REBASE II Adhesive

<b>Precautionary statements</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container in accordance with local regulations.
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Contains</b>	ACETONE, ETHYL ACETATE
<b>Supplementary precautionary statements</b>	P233 Keep container tightly closed. P240 Ground/ bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/ 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. P405 Store locked up.

## 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>ETHYL ACETATE</b>	<b>30-60%</b>
CAS number: 141-78-6	EC number: 205-500-4
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	
<b>ACETONE</b>	<b>30-60%</b>
CAS number: 67-64-1	EC number: 200-662-2
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

# TOKUYAMA REBASE II Adhesive

## 4.1. 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>	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash skin thoroughly with soap and water.
<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.

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

<b>Inhalation</b>	Vapours may cause drowsiness and dizziness.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	May cause severe eye irritation.

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

<b>Notes for the doctor</b>	No specific recommendations.
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## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with the following media: Foam. Carbon dioxide or dry powder.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Irritating gases or vapours.
<b>Hazardous combustion products</b>	No known hazardous decomposition products.

### 5.3. Advice for firefighters

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

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	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.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For waste disposal, see section 13.
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## **SECTION 7: Handling and storage**

# TOKUYAMA REBASE II Adhesive

## 7.1. Precautions for safe handling

**Usage precautions** Wear protective clothing as described in Section 8 of this safety data sheet. 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 inhalation of vapours.

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

**Storage precautions** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid exposure to high temperatures or direct 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.

## 7.3. Specific end use(s)

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

## **SECTION 8: Exposure Controls/personal protection**

### **8.1. Control parameters**

#### Occupational exposure limits

##### **ETHYL ACETATE**

Long-term exposure limit (8-hour TWA): WEL 200 ppm

Short-term exposure limit (15-minute): WEL 400 ppm

##### **ACETONE**

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### **8.2. 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. 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.

**Respiratory protection** Wear a respirator fitted with the following cartridge: Organic vapour filter.

## **SECTION 9: Physical and Chemical Properties**

### **9.1. Information on basic physical and chemical properties**

**Appearance** Clear Liquid

**Colour** Yellow

**Odour** Characteristic

**Odour threshold** Not available.

**pH** Not available.

**Melting point** Not available.

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Initial boiling point and range	57°C
Flash point	-14°C
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	Not available.
Solubility(ies)	Not available.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidising properties	Not available.

### 9.2. Other information

Other information	Not available.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product. See the other subsections of this section for further details.
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### 10.2. Chemical stability

Stability	The product is highly flammable.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not known.
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### 10.4. Conditions to avoid

Conditions to avoid	Keep away from heat, sparks and open flame. Protect against direct sunlight.
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### 10.5. Incompatible materials

Materials to avoid	Strong oxidising agents.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	Heating may generate the following products: Toxic gases or vapours.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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**Routes of exposure** Skin , Eyes , Ingestion , Inhalation , Health effects: See section 4.2.

**Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** Not available.

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** Not available.

**Acute toxicity - inhalation**

**Notes (inhalation LC<sub>50</sub>)** Not available.

**Skin corrosion/irritation**

**Skin corrosion/irritation** Not available.

**Animal data**

Not available.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Not available.

**Respiratory sensitisation**

**Respiratory sensitisation** Not available.

**Skin sensitisation**

**Skin sensitisation** Not available.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Not available.

**Genotoxicity - in vivo** Not available.

**Carcinogenicity**

**Carcinogenicity** Not available.

**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.

### SECTION 12: Ecological Information

**12.1. Toxicity**

**Acute toxicity - fish** Not available.

**Acute toxicity - aquatic invertebrates** Not available.

**Acute toxicity - aquatic plants** Not available.

**12.2. Persistence and degradability**

**Persistence and degradability** No data available.

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### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

### 12.4. Mobility in soil

**Mobility** No information available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 1133

**UN No. (IMDG)** 1133

**UN No. (ICAO)** 1133

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ADHESIVES

**Proper shipping name (IMDG)** ADHESIVES

**Proper shipping name (ICAO)** ADHESIVES

**Proper shipping name (ADN)** ADHESIVES

### 14.3. Transport hazard class(es)

**ADR/RID class** 3

**ADR/RID label** 3

**IMDG class** 3

**ICAO class/division** 3

### **Transport labels**



### 14.4. Packing group

**ADR/RID packing group** II

**IMDG packing group** II

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ICAO packing group II

## 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

## 14.6. Special precautions for user

EmS F-E, S-D

Emergency Action Code •3YE

Hazard Identification Number 33  
(ADR/RID)

Tunnel restriction code (D/E)

## 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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

## **SECTION 15: Regulatory information**

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation (EC) No 1907/2006 (REACH).  
(EC) No 1272/2008 (CLP).  
(EU) No 2015/830.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## **SECTION 16: Other information**

**Classification procedures according to Regulation (EC) 1272/2008** Flam. Liq. 2 - H225: On basis of test data. Eye Irrit. 2 - H319: Calculation method. STOT SE 3 - H336: Calculation method.

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

### **Revision comments**

**Revision date** 15/09/2018

**Revision** 3

**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 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.