

## **SAFETY DATA SHEETS**

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

076749840

**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).**

076749816

REVISION DATE 15/01/2013

# MATERIAL SAFETY DATA SHEET

## TOKUYAMA REBASE II Adhesive

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	TOKUYAMA REBASE II Adhesive		
PRODUCT USE	Denture Liner, a component of kit. For dental professionals only.		
SUPPLIER	Tokuyama Dental America Inc. Tel: (877) 378 3548 (Toll-Free)	MANUFACTURER	Tokuyama Dental Corporation 38-9, Taitou 1-chome, Taitou-ku, Tokyo, Japan TEL: +81-3-3835-7201
CONTACT PERSON	<a href="http://www.tokuyama-dental.com/contact.htm">http://www.tokuyama-dental.com/contact.htm</a>		
EMERGENCY TELEPHONE	<p>Washington National Capital Poison Center 3201 New Mexico Avenue, Suite 310 Washington, DC 20016 Telephone: +1 202 362 3867 Emergency telephone: 1 800 222 1222 Fax: +1 202 362 8377 E-mail: <a href="mailto:pc@poison.org">pc@poison.org</a> Web site: <a href="http://www.poison.org">http://www.poison.org</a></p> <p>San Francisco California Poison Control System at San Francisco General Hospital University of California San Fransico, Box 1369 1001 Potrero Avenue, Bidg 5 Rm 2A21 San Francisco, California 94143-1369 Telephone: +1 415 643 3200 Emergency telephone: 1 800 222 1222 Fax: +1 415 502 6010 E-mail: <a href="mailto:coadmin@calpoison.org">coadmin@calpoison.org</a> Web site: <a href="http://www.calpoison.org">http://www.calpoison.org</a></p> <p><a href="http://www.who.int/ipcs/poisons/centre/en/">http://www.who.int/ipcs/poisons/centre/en/</a></p>		

### 2 HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

##### 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.

##### EYE CONTACT

Irritating and may cause redness and pain.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %
ACETONE	200-662-2	67-64-1	30-60%
ETHYL ACETATE	205-500-4	141-78-6	30-60%

### 4 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.

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**TOKUYAMA REBASE II Adhesive****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.

**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

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

**SPECIAL FIRE FIGHTING PROCEDURES**

Avoid breathing fire vapors.

**SPECIFIC HAZARDS**

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

**PROTECTIVE MEASURES IN FIRE**

Wear full protective clothing.

FLASH POINT (°C) -14°C

**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.

**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.

**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			
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**

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**TOKUYAMA REBASE II Adhesive****ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

**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 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**

APPEARANCE	Clear liquid
COLOR	Yellowish
ODOR	Characteristic
BOILING POINT (°C)	57°C
FLASH POINT (°C)	-14°C

**10 STABILITY AND REACTIVITY****STABILITY**

HIGHLY FLAMMABLE!

**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****TOXICOLOGICAL INFORMATION**

No data on possible toxic effects have been found.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

No data on possible environmental effects have been found.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

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

**14 TRANSPORT INFORMATION**

REVISION DATE 15/01/2013

## TOKUYAMA REBASE II Adhesive



DOT PROPER SHIPPING NAME	ADHESIVES, CONTAINING A FLAMMABLE LIQUID
TDG SHIPPING NAME	ADHESIVES, CONTAINING A FLAMMABLE LIQUID
IDENTIFICATION No.	1133
TUNNEL RESTRICTION CODE	(D/E)
CEPIC TEC(R) NO.	30GF1-I+II, 30GF1-sp
DOT HAZARD CLASS	3
DOT PACKING GROUP	II
U.S DOT HAZARD LABEL	Flammable Liquid
UN NO. SEA	1133
IMDG CLASS	3
IMDG PACK GR.	II
EMS	F-E, S-D
UN NO. AIR	1133
ICAO CLASS	3
AIR PACK GR.	II
TDG CLASS	3
TDG LABEL(S)	3
TDG PACKING GROUP	II

## 15 REGULATORY INFORMATION

## INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
ACETONE	DSL	Yes.						
ETHYL ACETATE	DSL	Yes.						

COMPONENT	TSCA 12(b) Export Notification
ACETONE	Yes.
ETHYL ACETATE	Yes.

## US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPQ	CERCLA-RQ	SARA 313
ACETONE	Not Listed	5 000 lbs	No.
ETHYL ACETATE	Not Listed	5 000 lbs	No.

## CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
ACETONE	Not Listed
ETHYL ACETATE	Not Listed

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**TOKUYAMA REBASE II Adhesive**

## US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
ACETONE	67-64-1	Not Listed	Yes.	Yes.	Yes.	Yes.	Yes.	Yes.
ETHYL ACETATE	141-78-6	Not Listed	Yes.	Yes.	Yes.	Yes.	Yes.	Yes.

## REGULATORY REFERENCES

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

**16 OTHER INFORMATION**

REVISION DATE

15/01/2013

## 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.

Revision Date 08/05/2017

Revision 2

## SAFETY DATA SHEET

### TOKUYAMA REBASE II Adhesive

#### 1. IDENTIFICATION

<b>Product Name</b>	TOKUYAMA REBASE II Adhesive
<b>Identified uses</b>	Denture Liner, a component of kit. For dental professionals only.
<b>Supplier</b>	Tokuyama Dental America Inc. Tel: (877) 378 3548 (Toll-Free)
<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 II 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 II 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 II 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 II 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 II 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 II 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 II 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.

### 16. OTHER INFORMATION

**Revision Comments**

**Revision Date** 08/05/2017

**Revision** 2

**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.