

Revision Date 08/05/2017

Revision 2

## SAFETY DATA SHEET

### TOKUSO CERAMIC PRIMER B

#### 1. IDENTIFICATION

<b>Product Name</b>	TOKUSO CERAMIC PRIMER B
<b>Identified uses</b>	Dental Cement, 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>	<p>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></p> <p>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 numer: +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></p>

#### 2. HAZARD(S) IDENTIFICATION

<b>Appearance</b>	Liquid
<b>Color</b>	Colourless
<b>Odor</b>	Slight odor, characteristic
<b>GHS Pictogram</b>	



<b>Signal Word</b>	Danger	
<b>Hazard Statements</b>	H225	Highly flammable liquid and vapour.
<b>Precautionary Statements</b>	P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
	P233	Keep container tightly closed.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P403+235	Store in a well-ventilated place. Keep cool.
	P501	Dispose of contents/container in accordance with local regulations.
<b>GHS Classification</b>	Physical and Chemical Hazards	Flam. Liq. 2 - H225

## TOKUSO CERAMIC PRIMER B

Human health	Not classified.
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

May cause irritation to the respiratory system. IF SWALLOWED: 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>ETHANOL</b>	<b>80-100%</b>
CAS No.: 64-17-5	EC No.: 200-578-6
GHS Classification Flam. Liq. 2 - H225	
<b>methacryloxyalkyl acid phosphate (phosphoric acid monomer)</b>	<b>1-5%</b>
CAS No.: 52628-03-2	EC No.: 258-053-2
GHS Classification Skin Irrit. 2 - H315; Eye Irrit. 2 - H319	

### 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.

##### Ingestion

Irritating. ( DIGESTIVE SYSTEM. )

##### Skin Contact

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

##### 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.

## TOKUSO CERAMIC PRIMER B

### 5. FIRE-FIGHTING MEASURES

Auto Ignition Temperature (°C)	423°C
Flammability Limit - Lower(%)	3.3
Flammability Limit - Upper(%)	19
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.

#### 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
ETHANOL	ACGIH			1000 ppm		A3
ETHANOL	PEL	1000 ppm	1900 mg/m3			
COMPONENT						IDLH
ETHANOL						3300 ppm

ACGIH=American Conference of Governmental Industrial Hygienists.

A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans.

#### Protective Equipment



#### Engineering Measures

Provide adequate general and local exhaust ventilation.

## TOKUSO CERAMIC PRIMER B

### 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>	Liquid
<b>Color</b>	Colourless
<b>Odor</b>	Slight odor, characteristic
<b>Solubility</b>	No information available.
<b>Initial boiling point and boiling range</b>	78°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>	< 7
<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
<b>Auto Ignition Temperature (°C)</b>	423°C
<b>Flammability Limit - Lower(%)</b>	3.3
<b>Flammability Limit - Upper(%)</b>	19
<b>Partition Coefficient (N-Octanol/Water)</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Other Flammability</b>	Not available.
<b>Oxidising properties</b>	Not available.

## 10. STABILITY AND REACTIVITY

### Reactivity

No information available.

## TOKUSO CERAMIC PRIMER B

### 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:

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:

#### IARC Carcinogenicity

Ethanol in alcoholic beverages : IARC Group 1 Carcinogenic to humans.

#### NTP - Carcinogenicity

Not listed.

#### OSHA - Carcinogenicity

Not listed.

### Reproductive Toxicity:

Not available.

### Specific target organ toxicity - single exposure:

Irritating to respiratory system.

### 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.

## TOKUSO CERAMIC PRIMER B

**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

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



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 available.

Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes

Not applicable.

### 15. REGULATORY INFORMATION

## TOKUSO CERAMIC PRIMER B

### 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)**

None of the ingredients are listed.

#### **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

#### **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**

The following ingredients are listed.

ETHANOL

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

The following ingredients are listed.

ETHANOL

#### **Minnesota "Right To Know" List**

The following ingredients are listed.

ETHANOL

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

The following ingredients are listed.

ETHANOL

#### **Pennsylvania "Right To Know" List**

The following ingredients are listed.

ETHANOL

### 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

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## TOKUSO CERAMIC PRIMER B

### Disclaimer

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