

Revision Date 11/28/2014

Revision 2

## SAFETY DATA SHEET

### BISTITE II Air Barrier

#### 1. IDENTIFICATION

<b>Product Name</b>	BISTITE II Air Barrier
<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) <a href="http://www.tokuyama-dental.com/contact.htm">http://www.tokuyama-dental.com/contact.htm</a>
<b>Contact Person</b>	
<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>	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>  San Francisco California Poison Control System at San Francisco General Hospital University of California San Francisco, Box 1369 1001 Potrero Avenue, Bldg 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>  <a href="http://www.who.int/ipcs/poisons/centre/en/">http://www.who.int/ipcs/poisons/centre/en/</a>

#### 2. HAZARD(S) IDENTIFICATION

<b>Appearance</b>	Colored gel
<b>Color</b>	Blue
<b>Odor</b>	Characteristic

#### GHS Pictogram

No pictogram required.

#### GHS Classification

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

#### Hazard Not Otherwise Classified (HNOC)

Not applicable.

#### OSHA Regulatory Status

This Product is Not Hazardous under the OSHA Hazard Communication Standard.

#### General Information

IF SWALLOWED: Slightly Irritating. ( DIGESTIVE SYSTEM. ) May be slightly irritating to skin and eyes. Prolonged skin contact may cause redness and irritation.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

## BISTITE II Air Barrier

2,2'-(p-TOLYLIMINO)DIETHANOL		<1%
CAS No.: 3077-12-1	EC No.: 221-359-1	
GHS Classification Not classified.		

HYDROXYPROPYL CELLULOSE		5-10%
CAS No.: 9004-64-2	EC No.:	
GHS Classification Not classified.		

PROPYLENE GLYCOL		80-95%
CAS No.: 57-55-6	EC No.: 200-338-0	
GHS Classification Not classified.		

## 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.

**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****Ingestion**

Slightly irritating. ( DIGESTIVE SYSTEM. )

**Skin Contact**

Slightly irritating. Prolonged and frequent contact may cause redness and irritation.

**Eye Contact**

Slightly irritating.

**Indication of any immediate medical attention and special treatment needed****Notes To The Physician**

Treat Symptomatically. Wear suitable protective clothing.

## 5. FIRE-FIGHTING MEASURES

**Auto Ignition Temperature (°C)**

Not available.

**Flammability Limit - Lower(%)** 2.6

**Flammability Limit - Upper(%)** 12.5

## BISTITE II Air Barrier

**Flash point (°C)** 99°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

Avoid discharge into drains, water courses or onto the ground.

### 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. For waste disposal, see section 13.

## 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, sparks and open flame.

### 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

### Ingredient Comments

No exposure limits noted for ingredient(s).

OSHA PELs : Not established

ACGIH TLVs: Not established

### 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.

## BISTITE II Air Barrier

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colored gel
<b>Color</b>	Blue
<b>Odor</b>	Characteristic
<b>Solubility</b>	No information available.
<b>Initial boiling point and boiling range</b>	187°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>	99°C
<b>Auto Ignition Temperature (°C)</b>	Not available.
<b>Flammability Limit - Lower(%)</b>	2.6
<b>Flammability Limit - Upper(%)</b>	12.5
<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

<b>Reactivity</b>	No information available.
<b>Stability</b>	Stable under normal temperature conditions and recommended use. Hazardous reactions: Not available.
<b>Conditions To Avoid</b>	Keep away from heat, sparks and open flame. Protect against direct sunlight.
<b>Materials To Avoid</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Toxic gases are generated when heated.

## 11. TOXICOLOGICAL INFORMATION

## BISTITE II Air Barrier

**Acute toxicity:**

Not available.

**Skin Corrosion/Irritation:**

Slightly irritating. Prolonged and frequent contact may cause redness and irritation.

**Serious eye damage/irritation:**

Slightly Irritating.

**Respiratory or skin sensitisation:****Respiratory sensitisation**

Not available.

**Skin sensitisation**

Not available.

**Germ cell mutagenicity:**

Not available.

**Carcinogenicity:**

Not established : IARC, NTP, EU, OSHA, ACGIH

**Reproductive Toxicity:**

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:****Viscosity**

Not available.

## 12. ECOLOGICAL INFORMATION

**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

## BISTITE II Air Barrier

<b>General</b>	Not regulated.
<b>UN No. (DOT/TDG)</b>	N/A
<b>UN No. (IMDG)</b>	N/A
<b>UN No. (ICAO)</b>	N/A
<b>DOT Proper Shipping Name</b>	Not applicable.
<b>DOT Hazard Class</b>	
No classification noted.	
<b>DOT Hazard Label</b>	
No DOT label requirement noted	
<b>IMDG Class</b>	Not applicable.
<b>ICAO Class</b>	Not applicable.
<b>Transport Labels</b>	
No transport warning sign required.	
<b>DOT Pack Group</b>	Not applicable.
<b>IMDG Pack Group</b>	Not applicable.
<b>Air Pack Group</b>	Not applicable.
<b>Environmentally Hazardous Substance/Marine Pollutant</b>	
No.	
<b>Special precautions for user</b>	Not available.
<b>Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes</b>	
Not applicable.	

### 15. REGULATORY INFORMATION

#### Regulatory Status (US)

This Product is Not 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

None.

##### 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.

## BISTITE II Air Barrier

**Massachusetts "Right To Know" List**

None of the ingredients are listed.

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

The following ingredients are listed.

PROPYLENE GLYCOL

**Minnesota "Right To Know" List**

The following ingredients are listed.

PROPYLENE GLYCOL

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

The following ingredients are listed.

PROPYLENE GLYCOL

**Pennsylvania "Right To Know" List**

The following ingredients are listed.

PROPYLENE GLYCOL

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

The following ingredients are listed.

2, 2'-(p-TOLYLIMINO)DIETHANOL

PROPYLENE GLYCOL

**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

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#### Disclaimer

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