

# SAFETY DATA SHEET

opal ORTHODONTICS

Date Issued: 12/12/2006  
MSDS No: 75-001.5  
Date-Revised: 09/29/2008  
Revision No: 4

## Opal Bond

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

**PRODUCT NAME:** Opal Bond  
**PRODUCT DESCRIPTION:** Dental appliance adhesive

#### MANUFACTURER

Opal® Orthodontics  
505 W 10200 S  
South Jordan UT 84095  
**Product Stewardship:** 888-863-5883

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (NORTH AMERICA) :**(800) 424 - 9300  
**(INTERNATIONAL) :**+1(703) 527 - 3887

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS	EINECS	Classification	Content
Bis GMA	001565-94-2	216-367-7	Xi; R36/37/38	20
Ethyl 4-dimethylaminobenzoate	010287-53-3	233-634-3	Xi; R36/37/38	< 1
Bis EMA	41637-38-1		R36/37/38, R43	9

( Full text of R-Phrases can be found under heading 16 )

### 3. HAZARDS IDENTIFICATION

#### HAZARD DESIGNATION

"Xi" - Irritant

#### POTENTIAL HEALTH EFFECTS

**EYES:** Contact may cause eye irritation.  
**SKIN:** May cause skin irritation.  
**INGESTION:** Irritating to mouth, throat and stomach.

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**INGESTION:** If swallowed, DO NOT INDUCE VOMITING -SEEK MEDICAL ADVICE.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

# SAFETY DATA SHEET

opal ORTHODONTICS

Date Issued: 12/12/2006  
MSDS No: 75-001.5  
Date-Revised: 09/29/2008  
Revision No: 4

## Opal Bond

**FIRE FIGHTING PROCEDURES:** General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.

**FIRE FIGHTING EQUIPMENT:** Foam, dry chemical, carbon dioxide (CO<sub>2</sub>).

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Pick up wash liquid with additional absorbent and place in a disposable container.

**LARGE SPILL:** Collect in tightly closed containers.

### 7. HANDLING AND STORAGE

**HANDLING:** Use suitable protective equipment.

**STORAGE:** Store in a cool place in original container and protect from sunlight.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear eye protection.

**SKIN:** S36/37: Wear suitable protective clothing and gloves.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Resin paste

**ODOR:** Acrylic

**COLOR:** Off-White to Yellow.

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable when stored and handled under recommended conditions.

**POLYMERIZATION:** Stable when stored and handled under recommended conditions.

**CONDITIONS TO AVOID:** Heat, flames, ignition sources, direct light, and incompatibles.

### 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** R36/38: Irritating to eyes and skin.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Do not flush to sewer.

# SAFETY DATA SHEET

opal ORTHODONTICS

Date Issued: 12/12/2006  
MSDS No: 75-001.5  
Date-Revised: 09/29/2008  
Revision No: 4

## Opal Bond

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in compliance with governmental regulation (EC 1975L0442-20/11/2003)

### 14. TRANSPORT INFORMATION

#### ROAD AND RAIL (ADR/RID)

**LABEL:** Not classified

#### AIR (ICAO/IATA)

**LABEL:** Not classified

#### VESSEL (IMO/IMDG)

**LABEL:** Not classified

### 15. REGULATORY INFORMATION

#### EUROPEAN COMMUNITY

##### EEC LABEL SYMBOL AND CLASSIFICATION



"Xi" - Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

### 16. OTHER INFORMATION

#### RELEVANT R-PHRASES:

R36/37/38: Irritating to eyes, respiratory system and skin.

R43: May cause sensitization by skin contact.

**PREPARED BY:** Iris McCallister

**REVISION SUMMARY:** Revision #: 4. This MSDS replaces the May 28, 2008 MSDS., Any changes in information are as follows: In Section 1: MSDS Number In Section 9: Color

**MANUFACTURER DISCLAIMER: FOR ORTHO USE ONLY:** Use as directed. The information and recommendations are taken from sources (raw material MSDS(s) and manufacturer's knowledge) believed to be accurate; however, Opal™ Orthodontics makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.