

# SAFETY DATA SHEET



Date Issued : 12/15/2006  
 MSDS No : 85-001.5  
 Date-Revised : 7/15/2013  
 Revision No : 5

## PermaSeal®

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

**PRODUCT NAME:** PermaSeal®

**PRODUCT DESCRIPTION:** Composite sealer and composite bonding agent

**PRODUCT CODE/ PART #:** PS/63010

**MANUFACTURER**

Ultradent Products, Inc.  
 505 W. 10200 S.  
 South Jordan, UT 84095

**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                   | Wt. % |
|-----------------------------------|-----------|-----------|----------------------------------|-------|
| Bis GMA                           | 1565-94-2 | 216-367-7 | Xi; R36/37/38                    | 60    |
| Triethylene Glycol Dimethacrylate | 109-16-0  | 203-652-6 | Xi; R43                          | < 40  |
| 2-dimethylaminoethyl Methacrylate | 2867-47-2 | 220-688-8 | T, Xi; R22,<br>R36/37/38,<br>R43 | 2.6   |

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

### 3. HAZARDS IDENTIFICATION

**HAZARD DESIGNATION**

"Xi" - Irritant  
 R43: May cause sensitization by skin contact.  
 R36/37/38: Irritating to eyes, respiratory system and skin.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact may cause eye irritation.  
**SKIN:** May cause skin irritation and sensitization.  
**INGESTION:** May be irritating to mouth, throat and stomach.  
**INHALATION:** May be harmful if inhaled.

### 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

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**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.

**RESPIRATORY:** Good general ventilation should be sufficient to control airborne levels.S38: In case of insufficient ventilation, wear suitable respiratory equipment.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Acrylic

**COLOR:** 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:** Contact may cause eye irritation.

**SKIN EFFECTS:** May cause skin irritation and sensitization.

### 12. ECOLOGICAL INFORMATION

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

### 13. DISPOSAL CONSIDERATIONS

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

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## 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

R43: May cause sensitization by skin contact.

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.

R22: Harmful if swallowed.

**PREPARED BY:** Anu Kattoju

**REVISION SUMMARY:** This MSDS replaces the 11/16/2010 MSDS. Revised: **Section 1:** PREPARED BY, PRODUCT CODE/ PART #. **Section 2:** POTENTIAL HEALTH EFFECTS ( INHALATION, INGESTION ). **Section 8:** PERSONAL PROTECTIVE EQUIPMENT - RESPIRATORY. **Section 11:** EYE EFFECTS, SKIN EFFECTS.

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