

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010  
Dental Use

**ULTRADENT**  
PRODUCTS, INC.

Date Issued : 10/02/2007  
SDS No : 68-001.7  
Date Revised : 01/17/2017  
Revision No : 4

## PermaQuick® Bonding Primer

### SECTION 1 : Identification of the substance/preparation and of the company/undertaking

#### 1.1. Product identifier

Product code : PQ/ 63302  
Product name : PermaQuick® Bonding Primer  
Product description : Dentin and enamel bonding primer

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Professional Dental Priming Agent

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Ultradent Products, Inc.  
505 W. Ultradent Drive (10200 South)  
South Jordan, UT 84095

##### EC Responsible Person

Ultradent Products GmbH  
Am Westhover Berg 30  
51149 Cologne Germany  
Email: infoDE@ultradent.com  
**Emergency Phone** : +49(0)2203-35-92-0

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation(EC) No 1272/2008 [CLP]

: The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.



**Health** : Eye Irritation, Category 2B  
Skin Irritation, Category 2  
Skin Sensitization, Category 1B

**Environmental** : Chronic Hazards to the Aquatic Environment, Category 2

**Physical** : Flammable Liquids, Category 2

#### 2.2. Label elements

##### Classification according to Regulation(EC) No 1272/2008 [CLP]

Hazard pictogram(s) :    
Exclamation mark      Flame

Signal Word : DANGER

Hazard statement(s) : H225: Highly flammable liquid and vapour.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010  
Dental Use



Date Issued : 10/02/2007  
SDS No : 68-001.7  
Date Revised : 01/17/2017  
Revision No : 4

## PermaQuick® Bonding Primer

H319: Causes serious eye irritation.  
H411: Toxic to aquatic life with long lasting effects.

### Precautionary statement(s)

#### Prevention

: P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### Response

: P305: IF IN EYES:  
P351: Rinse cautiously with water for several minutes.  
P313: Get medical advice/attention.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

#### Storage

: P273: Avoid release to the environment.

#### Disposal

: P501: Dispose of in compliance with governmental regulation. (EC 1975L0442-21/11/2003)

### 2.3. Other hazards

Conclusion The substance does not fulfill the PBT and vPvB criteria for screening assessment; there are no indications of P or B properties.

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

Not Applicable

### 3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt.%	Classification according to Regulation(EC) No 1272/2008 [CLP]
2-hydroxyethyl Methacrylate	868-77-9	212-782-2	< 50	Eye Irr.,Cat. 2B; Skin Sens.,Cat. 1B; H317; H319
Canada balsam	8007-47-4	232-362-2	< 25	Skin Sens.,Cat. 1; Aquatic Chronic,Cat. 2; H317; H411
Ethyl Alcohol	64-17-5	200-578-6	≤ 20	Flam. Liq.,Cat. 2; Eye Irr.,Cat. 2; Skin Irr.,Cat. 2; STOT SE,Cat. 3; H225; H319
Methacrylic Acid	79-41-4	201-204-4	< 10	Skin Corr.,Cat. 1A; Acute Tox. (O),Cat. 4; Acute Tox. (D),Cat. 4; H302; H312; H227
Camphorquinone	10373-78-1	233-814-1	≤ 1	Skin Irr.,Cat. 2; Eye Irr.,Cat. 2; STOT SE,Cat 3; H315; H319; H335

For full text of H-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Following eyes

: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

#### Following skin

: Wash with soap and water. Get medical attention if irritation develops or persists.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 453/2010  
Dental Use



Date Issued : 10/02/2007  
SDS No : 68-001.7  
Date Revised : 01/17/2017  
Revision No : 4

**PermaQuick® Bonding Primer**

**Following ingestion** : If swallowed in small quantity the product is harmless, otherwise consult a doctor.

**Following inhalation** : No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

**4.2. Most important symptoms and effects, both acute and delayed**

**Eyes** : Irritating to eyes.

**Skin** : May cause skin irritation and sensitization.

**Ingestion** : May be harmful if swallowed in large quantities.

**Inhalation** : None expected for this product.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Notes to physician** : Not Applicable

**SECTION 5: Fire fighting measures**

**5.1. Extinguishing media**

**Extinguishing media** : Foam, dry chemical, carbon dioxide (CO<sub>2</sub>).

**5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products** : None known.

**5.3. Advice for firefighters**

**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.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**General procedures** : Refer to Section 8 for Personal Protective Equipment.

**6.2. Environmental precautions**

**Water spill** : Do not allow to enter sewers or drains that may lead to waterways.

**6.3. Methods and material for containment and cleaning up**

**Small Spill** : Wipe up small amounts with chemical resistant or damp rag which is washed with large amounts of water after each use. After cleaning, flush away traces with water.

**Large Spill** : Absorb with inert, damp non-combustible material, then flush area with water.

**6.4. Reference to other sections**

**Reference to other sections** : Not Applicable

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**General procedures** : Avoid contact with eyes, skin and clothing.

**Handling** : Follow all SDS/label precautions even after container is emptied because they may retain product residues.

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010  
Dental Use



Date Issued : 10/02/2007  
SDS No : 68-001.7  
Date Revised : 01/17/2017  
Revision No : 4

## PermaQuick® Bonding Primer

**Storage** : See product labeling.

### 7.2. Conditions for safe storage, including any incompatibilities

**Shelf life** : See product labeling

### 7.3. Specific end use(s)

**Specific end use(s)** : Professional Dental Priming Agent

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

**Control parameters** : Ethyl Alcohol CAS: 64-17-5

Control Parameters	Exposure Limits
OSHA PEL General Industry	1000 ppm (1900 mg/m <sup>3</sup> ) TWA
OSHA PEL - Construction Industry	1000 ppm (900 mg/m <sup>3</sup> ) TWA
OSHA PEL Shipyard Employment	1000 ppm(1900 mg/m <sup>3</sup> ) TWA
NIOSH REL	1000 ppm(1900 mg/m <sup>3</sup> ) TWA
ACGIH TLV	1000 ppm(1880 mg/m <sup>3</sup> ) STEL
CAL/OSHA PEL	1000 ppm(1900 mg/m <sup>3</sup> ) TWA

### 8.2. Exposure controls

**Eye/face protection** : Wear eye protection .

**Skin protection** : Wear suitable protective clothing and gloves.

**Respiratory protection** : Good general ventilation should be sufficient to control airborne levels.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical state** : Liquid

**Appearance** : Clear, low viscosity liquid

**Colour** : Yellow

**Odour** : Conifer

**pH** : NAP (non-aqueous)

**Specific gravity** : 0.8 to 1.1

### 9.2. Other information

**Additional information** : No futher relevant information available.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 453/2010  
Dental Use



Date Issued : 10/02/2007  
SDS No : 68-001.7  
Date Revised : 01/17/2017  
Revision No : 4

**PermaQuick® Bonding Primer**

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Reactivity : Stable

**10.2. Chemical stability**

Chemical stability : Stable when stored and handled under recommended conditions.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization : None

**10.4. Conditions to avoid**

Conditions to avoid : Heat, flames, ignition sources, direct light.

**10.5. Incompatible materials**

Incompatible materials : Not Determined

**10.6. Hazardous decomposition products**

Hazardous decomposition products : None known.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute**

Dermal LD<sub>50</sub> : > 2000 mg/kg Rabbit/Rat

Notes : ~44% of the mixture consists of components of unknown toxicity (Dermal).

Oral LD<sub>50</sub> : > 3200 mg/kg Rat/Guinea Pig/Mouse

Notes : 23% of the mixture consists of components of unknown toxicity (Oral).

Inhalation LC<sub>50</sub> : > 34 mg/L/4H Rat

Notes : ~71% of the mixture consists of components of unknown toxicity (Inhalation).

Other information : Device is biocompatible when used as directed by dental professionals per ISO 10993-1.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Aquatic toxicity (acute) : Do not allow to enter sewers or drains that may lead to waterways.

**12.2. Persistence and degradability**

Persistence and degradability : Not classified

**12.3. Bioaccumulative potential**

Bioaccumulative potential : Not classified

**12.4. Mobility in soil**

Mobility in soil : Not Available

**12.5. Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment : Conclusion The substance does not fulfill the PBT and vPvB criteria for screening assessment; there are no indications of P or B properties.

**SAFETY DATA SHEET**  
 according to Regulation (EC) No. 453/2010  
 Dental Use



Date Issued : 10/02/2007  
 SDS No : 68-001.7  
 Date Revised : 01/17/2017  
 Revision No : 4

**PermaQuick® Bonding Primer**

**12.6. Other adverse effects**

Environmental data : Do not flush to sewer.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Disposal method : Dispose of in compliance with governmental regulation.(EC 1975L0442-20/11/2003)

**SECTION 14: Transport information**

**14.1. UN number**

UN number : 1987

**14.2. UN proper shipping name**

UN proper shipping name : Alcohols, n.o.s. (Ethyl alcohol mixture)

**14.3. Transport hazard class(es)**

Primary hazard class/division : 3

Hazard classification : 3

**14.4. Packing group**

Packing group : III

**14.5. Environmental hazards**

Marine pollutant #1 : NAP

**14.6. Special precautions for user**

ADR - road : NAP

RID - rail : NAP

IMDG - sea : NAP

IATA - air : NAP

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Transport in bulk : NAP

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

General information : Substances of very high concern (SVHC) according to REACH, Article 57:  
 Contains no SVHC substances.

General comments : Please refer to Medical Devices Directive 93/42/EEC.

**15.2. Chemical safety assessment**

Chemical safety assessment : See Section 11

Additional information : None of the ingredients are listed as a carcinogen by IARC, NTP, or CA Prop 65.

**SECTION 16: Other information**

**SAFETY DATA SHEET**

according to Regulation (EC) No. 453/2010

Dental Use



Date Issued : 10/02/2007

SDS No : 68-001.7

Date Revised : 01/17/2017

Revision No : 4

**PermaQuick® Bonding Primer****Relevant H-statements (number and full text)**

: Acute Tox. (D), Cat. 4: Acute Toxicity (Dermal), Category 4  
 Acute Tox. (O), Cat. 4: Acute Toxicity (Oral), Category 4  
 Aquatic Chronic, Cat. 2: Chronic Hazards to the Aquatic Environment, Category 2  
 Eye Irr., Cat. 2B: Eye Irritation, Category 2B  
 Eye Irr., Cat. 2: Eye Irritation, Category 2  
 Flam. Liq., Cat. 2: Flammable Liquids, Category 2  
 STOT SE, Cat 3: Target Organ Toxicity (Single exposure), Category 3  
 STOT SE, Cat. 3: Target Organ Toxicity (Single exposure), Respiratory Tract Category 3  
 Skin Corr., Cat. 1A: Skin Corrosion, Category 1A  
 Skin Irr., Cat. 2: Skin Irritation, Category 2  
 Skin Sens., Cat. 1B: Skin Sensitization, Category 1B  
 Skin Sens., Cat. 1: Skin Sensitization, Category 1  
 H225: Highly flammable liquid and vapour.  
 H227: Combustible liquid.  
 H302: Harmful if swallowed.  
 H312: Harmful in contact with skin.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H335: May cause respiratory irritation.  
 H411: Toxic to aquatic life with long lasting effects.

**Prepared by**

: Anu Kattoju

**Revision summary**

: This SDS replaces the 07/21/2015 SDS. Revised: **Section 1:** MSDS No. **Section 2:** EMERGENCY OVERVIEW - IMMEDIATE CONCERNS 2.3. Other hazards. **Section 3:** Wt.%. **Section 4:** INHALATION. **Section 5:** EXPLOSION HAZARDS, EXTINGUISHING MEDIA, FIRE EXPLOSION, FIRE FIGHTING EQUIPMENT, SENSITIVE TO STATIC DISCHARGE, SENSITIVITY TO IMPACT. **Section 7:** GENERAL PROCEDURES. **Section 8:** . **Section 9:** APPEARANCE, COMMENTS, ODOR, PERCENT VOLATILE, pH, PHYSICAL STATE, SPECIFIC GRAVITY. **Section 11:** ACUTE ( DERMAL LD<sub>50</sub> (rabbit), DERMAL LD<sub>50</sub> (rabbit), DERMAL LD<sub>50</sub> (rabbit), ORAL LD<sub>50</sub> (rat), INHALATION LC<sub>50</sub> (rat), ORAL LD<sub>50</sub> (rat), ORAL LD<sub>50</sub> (rat), INHALATION LC<sub>50</sub> (rat), INHALATION LC<sub>50</sub> (rat), INHALATION LC<sub>50</sub> (rat), ORAL LD<sub>50</sub> (rat) ACUTE, GENERAL COMMENTS. **Section 12:** CHEMICAL FATE INFORMATION, DISTRIBUTION, ENVIRONMENTAL DATA, BIOACCUMULATION/ACCUMULATION, AQUATIC TOXICITY (ACUTE) ( 48-HOUR EC<sub>50</sub>, 96-HOUR EC<sub>50</sub> ), SECTION 12: Ecological information. **Section 14:** VESSEL (IMO/IMDG) - MARINE POLLUTANT #1 ROAD AND RAIL (UK only) (CDG) - SPECIAL PROVISIONS SECTION 14: Transport information, ADR - road, IMDG - sea, IATA - air. **Section 15:** COMMENTS, GENERAL COMMENTS, RoHS. **Section 16:** GENERAL STATEMENTS.

**General statements**

: NAP = Not Applicable  
 NE = Not Established  
 TLV = Threshold Limit Value  
 PEL = Permittable exposure limits

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 453/2010  
Dental Use



Date Issued : 10/02/2007  
SDS No : 68-001.7  
Date Revised : 01/17/2017  
Revision No : 4

---

**PermaQuick® Bonding Primer**

MAK = Maximum Workplace Concentration  
STEL = Short-term exposure limit  
STEV = Short-term exposure value  
TWA = Time Weighted Average  
PPE = Personal Protective Equipment  
AMU = Atomic Mass Unit

**Manufacturer disclaimer**

: FOR DENTAL USE ONLY: Use as directed. The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate; however, the manufacturer, 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.