

# SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Dental Use



Date Issued : 02/27/2006

SDS No : 30-001.8

Date Revised : 03/24/2015

Revision No : 8

## Ultradent® LC Block-Out Resin

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

#### 1.1. Product identifier

**Product code** : BO/10318  
**Product name** : Ultradent® LC Block-Out Resin  
**Product description** : Light cure laboratory block out and model resin

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

**Relevant identified uses** : Dental laboratory resin

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

##### Manufacturer

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

##### Distributor

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 Directive 1999/45/EC

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

**Danger symbols** : Xi

**R phrases** : R36/38, R43

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

**Health** : Skin Irritation  
 Skin Sensitization

#### 2.2. Label elements

##### Classification according to Directive 1999/45/EC

**Hazard pictogram(s)** : Xi



Irritant

**R&S statement(s)** : R36/38: Irritating to eyes and skin.  
 R43: May cause sensitization by skin contact.

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

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**Ultradent® LC Block-Out Resin****Hazard pictogram(s)**

:

Exclamation  
mark**Signal Word**

: WARNING

**Hazard statement(s)**: H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.**Precautionary statement(s)****Prevention**

: P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response**: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P313: Get medical advice/attention.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P332+P313: If skin irritation occurs: Get medical advice/attention.**Storage**

: P103: Read label before use.

**Disposal**

: P501: Dispose of in compliance with governmental regulation.(EC 1975L0442-20/11/2003)

**2.3. Other hazards****Immediate concerns**

: No other adverse human effects.

**SECTION 3: Composition / information on ingredients****3.1. Substances**

Not Applicable

**3.2. Mixtures**

Chemical Name	CAS	EINECS No.	Wt. %	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No 1272/2008 [CLP]
Diurethane Dimethacrylate	72869-86-4	276-957-5	< 80	Xi; R36/37/38	H317; H319; H411; H315; H335
Triethylene Glycol Dimethacrylate	109-16-0	203-652-6	< 20	Xi; R43	H317

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

**SECTION 4: First aid measures**

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### 4.1. Description of first aid measures

- Following eyes** : Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.
- Following skin** : Wash with soap and water. Get medical attention if irritation develops or persists.
- 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. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

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

- Eyes** : Contact causes severe eye irritation.
- Skin** : May cause skin irritation and sensitization.
- Ingestion** : None expected for this product.
- 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** : Please see Fire Fighting Equipment under Section 5.3.

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

- Hazardous combustion products** : Not Determined
- Explosion hazards** : Not Determined
- Fire explosion** : Not Determined
- Sensitive to static discharge** : Not Determined
- Sensitivity to impact** : Not Determined

### 5.3. Advice for firefighters

- Fire fighting procedures** : As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
- Fire fighting equipment** : Foam, dry chemical, carbon dioxide (CO<sub>2</sub>).

## 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

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**Water spill** : Not Determined

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

**Small spill** : Wipe up with dry cloth and alcohol.

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

**Handling** : Use suitable protective equipment.

**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)** : Dental laboratory resin

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

**Control parameters** : Not Determined

### 8.2. Exposure controls

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

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

**Respiratory protection** : Not needed for normal use.

## SECTION 9: Physical and chemical properties

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

**Physical state** : Gel

**Colour** : Dark Blue Gel

**Odour** : Acrylic

### 9.2. Other information

**Percent volatile** : Not Determined

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** : Polymerization occurs when exposed to visible light, ultraviolet light or extreme heat.

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### 10.2. Chemical stability

Chemical stability : Sensitive to light.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization : None

### 10.4. Conditions to avoid

Conditions to avoid : Oxidizing materials.

### 10.5. Incompatible materials

Incompatible materials : Not Determined

### 10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon Dioxide

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute

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

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxicity : No data available.

#### Aquatic toxicity (acute)

96-hour LC<sub>50</sub> : Not Determined

48-hour EC<sub>50</sub> : Not Determined

96-hour EC<sub>50</sub> : Not Determined

### 12.2. Persistence and degradability

Persistence and degradability : Not Determined

### 12.3. Bioaccumulative potential

Bioaccumulative potential : Not Determined

### 12.4. Mobility in soil

Mobility in soil : Not Determined

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : Not Determined

### 12.6. Other adverse effects

Environmental data : Not defined

## SECTION 13: Disposal considerations

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### 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** : N/A

### 14.2. UN proper shipping name

**UN proper shipping name** : Not Dangerous Goods

### 14.3. Transport hazard class(es)

**Hazard classification** : N/A

### 14.4. Packing group

**Packing group** : N/A

### 14.5. Environmental hazards

**Marine pollutant #1** : Not Dangerous Goods

### 14.6. Special precautions for user

**ADR - road** : Not Dangerous Goods

**RID - rail** : Not Dangerous Goods

**IMDG - sea** : Not Dangerous Goods

**IATA - air** : Not Dangerous Goods

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

**Transport in bulk** : Not Dangerous Goods

## SECTION 15: Regulatory information

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

**RoHS** : Laboratory Item, Not a Medical Device.

### 15.2. Chemical safety assessment

**Chemical safety assessment** : See Section 11

## SECTION 16: Other information

**Relevant R-phrases and/or H-statements (number and full text)** : R36/37/38: Irritating to eyes, respiratory system and skin.  
R43: May cause sensitization by skin contact.  
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 01/29/2015 SDS. Revised: **Section 1:**

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. **Section 2:** . **Section 8:** PERSONAL PROTECTIVE EQUIPMENT - SKIN. **Section 10:** HAZARDOUS POLYMERIZATION, STABLE. **Section 11:** ACUTE ( ORAL LD<sub>50</sub> (rat), INHALATION LC<sub>50</sub> (rat) ACUTE. **Section 15:** COMMENTS, Notes, SECTION 15: Regulatory information.

### General statements

: N/A= Not Applicable

### 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.