

# SAFETY DATA SHEET

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

**ULTRADENT**  
PRODUCTS, INC.

Date Issued : 12/14/2006  
SDS No : 84-001.7  
Date Revised : 04/10/2015  
Revision No : 6

## Opalustre®

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

#### 1.1. Product identifier

**Product code** : OL/55403  
**Product name** : Opalustre®  
**Product description** : Chemical and mechanical abrasion slurry

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

**Relevant identified uses** : Professional Dental Abrasive Material

#### 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** : R36/37/38

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

**Health** : Skin Corrosion, Category 1B

#### 2.2. Label elements

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

**Hazard pictogram(s)** : Xi



Irritant

**R&S statement(s)** : R36/37/38: Irritating to eyes, respiratory system and skin.

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

**Hazard pictogram(s)** :



Exclamation  
mark

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**Signal Word** : WARNING

**Hazard statement(s)** : H331: Toxic if inhaled.

**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.  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P313: Get medical advice/attention.  
P301: IF SWALLOWED:  
P331: Do NOT induce vomiting.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P304: IF INHALED:  
P315: Get immediate medical advice/attention.  
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

**Storage** : P273: Avoid release to the environment.

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

### 2.3. Other hazards

**Immediate concerns** : Irritant

## 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]
Hydrochloric Acid	7647-01-0	231-595-7	< 10	C; R34	Skin Corr., Cat. 1B; STOT SE, Cat. 3; H314; H331
Silicon Carbide	409-21-2	206-991-8	< 45	Xi; R37	Not classified

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** : Remove contaminated clothing. Wash with soap and water. Get medical attention.
- Following ingestion** : If swallowed, Do Not Induce Vomiting- Seek Medical Advice.
- Following inhalation** : Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

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

- Eyes** : Causes eye irritation.
- Skin** : Causes skin irritation.
- Ingestion** : May be harmful if swallowed.
- Inhalation** : Irritating to respiratory system.

### 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

- 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** : 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>).

## 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** : Pick up wash liquid with additional absorbent and place in a

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disposable container.

**Large spill** : Collect in tightly closed containers.

### 6.4. Reference to other sections

**Reference to other sections** : Not Applicable

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**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)** : Professional Dental Abrasive Material

## 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** : Use only in well-ventilated areas.

## SECTION 9: Physical and chemical properties

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

**Appearance** : Gel

**Colour** : Purple

**Odour** : Acidic, DO NOT SMELL

### 9.2. Other information

**Percent volatile** : Not Determined

## 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

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**Conditions to avoid** : None known.

### 10.5. Incompatible materials

**Incompatible materials** : Oxidizing agents, organic materials, alkalis, water

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** : Hydrogen Chloride Gas

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute Notes** : Device is an acid used for chemical abrasion, and is therefore toxic. It is to be used only as directed, and only by licensed dental professionals.

## SECTION 12: Ecological information

### 12.1. Toxicity

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

## 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

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**14.1. UN number**

UN number : 3264

**14.2. UN proper shipping name**

UN proper shipping name : Corrosive liquid, Acidic, Inorganic n.o.s. (Hydrochloric acid mixture)

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

Primary hazard class/division : 8

Hazard classification : 8

**14.4. Packing group**

Packing group : II

**14.5. Environmental hazards**

Marine pollutant #1 : N/A

**14.6. Special precautions for user**

ADR - road : N/A

RID - rail : N/A

IMDG - sea : N/A

IATA - air : N/A

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

Transport in bulk : N/A

**SECTION 15: Regulatory information**

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

RoHS : Please refer to Medical Devices Directive 93/42/EEC

**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)** : R34: Causes burns.  
 R37: Irritating to respiratory system.  
 STOT SE, Cat. 3: Target Organ Toxicity (Single exposure), Category 3  
 Skin Corr., Cat. 1B: Skin Corrosion, Category 1B  
 H314: Causes severe skin burns and eye damage.  
 H331: Toxic if inhaled.

**Prepared by** : Anu Kattoju

**Revision summary** : This SDS replaces the 07/16/2014 SDS. Revised: **Section 1:** . **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:** SECTION 15: Regulatory information.

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**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.