

## Safety Data Sheet according to WHS Regulations

Printing date 20.12.2023

Revision: 20.12.2023

### 1 Identification

- **Product identifier**
- **Trade name:** UltraCem™ Liquid
- **Article number:** SDS 320-001.05R01, 23229, 2056
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Dental Material
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Manufactured by SHOFU Dental Corporation for:  
Ultradent Products Inc.  
505 W. Ultradent Drive (10200 S)  
South Jordan, UT, 84095-3942  
USA  
onlineordersupport@ultradent.com

Ultradent Australia Pty Ltd.  
Level 22/2 Market Street  
Sydney NSW 2000  
Australia  
Email: info.anz@ultradent.com  
Toll Free: 1-800-290929

- **Further information obtainable from:** Customer Service
- **Emergency telephone number:**  
CHEMTREC (NORTH AMERICA) : (800) 424-9300  
(INTERNATIONAL) : +(703) 527-3887

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**



Serious eye damage/irritation – Category 2A H319 Causes serious eye irritation.

Skin Sens. 1

H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms** GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**  
2-Hydroxyethyl Methacrylate
- **Hazard statements**  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 20.12.2023

Revision: 20.12.2023

**Trade name: UltraCem™ Liquid**

(Contd. of page 1)

- P280 Wear protective gloves / eye protection / face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

868-77-9	2-Hydroxyethyl Methacrylate	≥10-<30%
	⚠ Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319; Skin Sens. 1, H317	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

- **After inhalation:**  
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.  
If symptom concerning breath goes out, call a POISON CENTER or doctor.  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
If on skin, skin irritation, get medical advice/attention.  
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Rinse mouth with water. Seek medical advice if necessary.
- **Information for doctor:**  
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.  
· **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media** Powder, alcohol-resistant foam, carbon dioxide, dry sand.
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**  
If it is not dangerous, the container is moved from the fire district.
- **Advice for firefighters:** Wear fire protective cloth and self-contained breathing apparatus, if necessary.
- **Protective equipment:**  
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

AU

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 20.12.2023

Revision: 20.12.2023

Trade name: UltraCem™ Liquid

(Contd. of page 2)

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**

*Wear an appropriate protection tool.*

*It enters and is prohibited other than parties concerned.*

*Wear protective equipment. Keep unprotected persons away.*

- **Environmental precautions:**

*Attention should be take for the spillage not to flow into sewages, drains, and low ground.*

- **Methods and material for containment and cleaning up:**

*Wipe up and discard in a suitable container.*

*Dispose contaminated material as waste according to item 13.*

- **Reference to other sections**

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

### 7 Handling and Storage

- **Handling:**

- **Precautions for safe handling:**

*Wear an appropriate protection tool, and avoids eyes, the cutaneous contacts.*

*Handling of the product exclusively restrict to dental specialists, according to the instructions for use.*

- **Information about fire - and explosion protection:** Keep respiratory protective device available.

- **Conditions for safe storage, including any incompatibilities**

*Store in a cool and dry place out of direct sunlight.*

*Separated from organic peroxide. Keep containers closed.*

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** No special requirements.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** Keep container tightly sealed.

- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

*Keep away from foodstuffs, beverages and feed.*

*Immediately remove all soiled and contaminated clothing.*

*Wash hands before breaks and at the end of work.*

*Store protective clothing separately.*

*Avoid contact with the eyes.*

*Avoid contact with the eyes and skin.*

- **Respiratory protection:**

*Dust mask*

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Printing date 20.12.2023

Revision: 20.12.2023

**Trade name: UltraCem™ Liquid**

(Contd. of page 3)

**· Protection of hands:**

Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

**· Material of gloves**

*The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

**· Penetration time of glove material**

*The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.*

**· For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

*Butyl rubber, BR*

*Nitrile rubber, NBR*

**· Eye protection:**

Tightly sealed goggles

**· Body protection: Protective work clothing**

## 9 Physical and Chemical Properties

**· General Information****· Appearance:**

<b>· Form:</b>	Liquid
<b>· Colour:</b>	Clear
<b>· Odour:</b>	Characteristic
<b>· Odour threshold:</b>	Not determined.
<b>· pH-value at 20 °C:</b>	2-3

**· Change in condition**

<b>· Melting point/freezing point:</b>	Undetermined.
<b>· Initial boiling point and boiling range:</b>	100 °C
<b>· Flash point:</b>	Not applicable.
<b>· Flammability (solid, gas):</b>	Not applicable.
<b>· Decomposition temperature:</b>	Not determined.
<b>· Auto-ignition temperature:</b>	Product is not selfigniting.
<b>· Explosive properties:</b>	Product does not present an explosion hazard.
<b>· Explosion limits:</b>	
<b>· Lower:</b>	Not determined.
<b>· Upper:</b>	Not determined.
<b>· Vapour pressure:</b>	Not determined.
<b>· Density:</b>	Not determined.
<b>· Bulk density:</b>	0 kg/m <sup>3</sup>
<b>· Relative density</b>	1.2 (water=1)

(Contd. on page 5)

# Safety Data Sheet

## according to WHS Regulations

Printing date 20.12.2023

Revision: 20.12.2023

Trade name: UltraCem™ Liquid

(Contd. of page 4)

- |  |  |
|--|--|
| · <b>Vapour density</b>                          | Not determined.                            |
| · <b>Evaporation rate</b>                        | Not determined.                            |
| · <b>Solubility in / Miscibility with</b>        |  |
| · <b>water:</b>                                  | Soluble.                                   |
| · <b>Partition coefficient: n-octanol/water:</b> | Not determined.                            |
| · <b>Viscosity:</b>                              |  |
| · <b>Dynamic:</b>                                | Not determined.                            |
| · <b>Kinematic:</b>                              | Not determined.                            |
| · <b>Other information</b>                       | No further relevant information available. |

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Avoid direct sunlight and high temperature.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** None under normal conditions of storage and use.

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · **LD/LC50 values relevant for classification:**

#### 868-77-9 2-Hydroxyethyl Methacrylate

Oral	LD50	3,275 mg/kg (mouse) >5.564 mg/kg (rat)
	LC50 Fish	>100 mg/l (Fish)
Dermal	LD50	>3,000 mg/kg (rabbit)
	LC50(Daphnia magna)	24.1 mg/l (daphnia)

- **Skin corrosion/irritation**  
Based on available data, the classification criteria are not met.  
Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.  
Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.  
May cause an allergic skin reaction.
- **Germ cell mutagenicity**  
Based on available data, the classification criteria are not met.  
Based on available data, the classification criteria are not met.
- **Carcinogenicity**  
Based on available data, the classification criteria are not met.  
Based on available data, the classification criteria are not met.
- **Reproductive toxicity**  
Based on available data, the classification criteria are not met.  
Based on available data, the classification criteria are not met.

(Contd. on page 6)

# Safety Data Sheet

## according to WHS Regulations

Printing date 20.12.2023

Revision: 20.12.2023

Trade name: UltraCem™ Liquid

(Contd. of page 5)

- **STOT-single exposure**  
Based on available data, the classification criteria are not met.  
Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
Based on available data, the classification criteria are not met.  
Based on available data, the classification criteria are not met.
- **Aspiration hazard**  
Based on available data, the classification criteria are not met.  
Based on available data, the classification criteria are not met.

## 12 Ecological Information

### · Toxicity

#### · Aquatic toxicity:

868-77-9 2-Hydroxyethyl Methacrylate

EC50 345 mg/kg (Algae)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Must not reach sewage water or drainage ditch undiluted or unneutralised.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Dispose of contents/container in accordance with international, federal, state, and local regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

- |                                  |               |
|----------------------------------|---------------|
| · <b>UN-Number</b>               |               |
| · <b>ADG, IMDG, IATA</b>         | not regulated |
| · <b>UN proper shipping name</b> |               |
| · <b>ADG, ADN, IMDG, IATA</b>    | not regulated |

(Contd. on page 7)

AU

# Safety Data Sheet

## according to WHS Regulations

Printing date 20.12.2023

Revision: 20.12.2023

**Trade name: UltraCem™ Liquid**

(Contd. of page 6)

· <b>Transport hazard class(es)</b>	
· <b>ADG, ADN, IMDG, IATA</b>	
· <b>Class</b>	not regulated
· <b>Packing group</b>	
· <b>ADG, IMDG, IATA</b>	not regulated
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not Applicable
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	not regulated

### 15 Regulatory information

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

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

All substances have the value S5.

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Chemical safety assessment:** A chemical safety assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases from Section 3**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

· **Department issuing SDS:** Environmental, Health, and Safety

· **Contact:** Customer Service

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

(Contd. on page 8)

**Safety Data Sheet**  
**according to WHS Regulations**

Printing date 20.12.2023

Revision: 20.12.2023

**Trade name: UltraCem™ Liquid**

(Contd. of page 7)

*vPvB: very Persistent and very Bioaccumulative**NIOSH: National Institute for Occupational Safety**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A**Skin Sens. 1: Skin sensitisation – Category 1**· \* Data compared to the previous version altered.*

AU