



## Safety Data Sheet according to WHS Regulations

Date of issue: 24.10.2025

Revision: 24.10.2025

\*

### 1 Identification

- **Other means of identification**
- **Trade name:** UltraTemp™ Base
- **Article number:** SDS 72-001.14R01, 81242, 59215, 2070, 5916, S5917
- **Relevant identified uses of the substance or mixture and uses advised against**  
Professional Dental Temporary Cement
- **Application of the substance / the mixture** Professional Dental Temporary Cement
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Ultradent Products, Inc.  
505 W. Ultradent Drive (10200 S)  
South Jordan, UT 84095-3942  
USA  
onlineordersupport@ultradent.com  
(800) 552-5512  
  
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) : +1 (800) 424-9300  
(INTERNATIONAL) : +(703) 527-3887

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

### 3 Composition and Information on Ingredients

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

| · <b>Dangerous components:</b> |                            |          |
|--------------------------------|----------------------------|----------|
| 112926-00-8                    | Synthetic Amorphous Silica | >10-<30% |

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

AU

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 24.10.2025

Revision: 24.10.2025

Trade name: UltraTemp™ Base

(Contd. of page 1)

### 4 First Aid Measures

- **General information:** No special measures required.
- **After inhalation:**  
This product is a thick paste, therefore inhalation is extremely unlikely.  
Seek medical treatment in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **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

- **Suitable extinguishing agents:**  
Water spray, fog, or mist, foam, dry chemical, carbon dioxide  
Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** Wear fully protective suit.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **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:** See product labelling.
- **Specific end use(s)** Professional Dental Temporary Cement

### 8 Exposure controls and personal protection

- **Appropriate engineering controls** No further data; see section 7.

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 24.10.2025

Revision: 24.10.2025

Trade name: UltraTemp™ Base

(Contd. of page 2)

**Ingredients with limit values that require monitoring at the workplace:**
**112926-00-8 Synthetic Amorphous Silica**

WES Long-term value: 10 mg/m<sup>3</sup>  
inhalable dust

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:**  
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.
- **Eye protection:** Goggles recommended during refilling
- **Body protection:** Protective work clothing

## 9 Physical and Chemical Properties

- **General Information**
- **Appearance:**
- **Form:** Fluid
- **Colour:** According to product specification
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not applicable (non-aqueous)
- **Change in condition**
- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** Undetermined.
- **Flash point:** Not applicable.
- **Flammability** Not applicable.
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with**
- **water:** Not miscible or difficult to mix.

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 24.10.2025

Revision: 24.10.2025

Trade name: UltraTemp™ Base

(Contd. of page 3)

- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

- **Other information**
- **Particle characteristics** Not applicable.
- **Physical state** Fluid

### 10 Stability and Reactivity

- **Reactivity Stable**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 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:

##### 1314-13-2 Zinc Oxide

|            |                              |                                           |
|------------|------------------------------|-------------------------------------------|
| Oral       | LD50                         | 7,950 mg/kg (mouse)<br>>5,000 mg/kg (rat) |
|            | LC50 Fish                    | >320 mg/l (Fish)                          |
| Inhalative | LC50/4 h                     | >5.7 mg/l (mouse)                         |
|            | LC50(Daphnia magna) (static) | 0.098 mg/l (daphnia)                      |

##### 112926-00-8 Synthetic Amorphous Silica

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | >5,000 mg/kg (rat)    |
| Dermal | LD50 | >5,000 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

AU

(Contd. on page 5)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 24.10.2025

Revision: 24.10.2025

Trade name: UltraTemp™ Base

(Contd. of page 4)

### 12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

1314-13-2 Zinc Oxide

EC50 2.066 mg/kg (Fish)

- **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:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- **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.

### 14 Transport information

- **UN-Number**

- **ADG, IMDG, IATA** not regulated

- **UN proper shipping name**

- **ADG, ADN, IMDG, IATA** not regulated

- **Transport hazard class(es)**

- **ADG, ADN, IMDG, IATA**

- **Class** not regulated

- **Packing group**

- **ADG, IMDG, IATA** not regulated

- **Environmental hazards:**

Not applicable.

- **Special precautions for user**

Not Applicable

- **Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

(Contd. on page 6)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 24.10.2025

Revision: 24.10.2025

**Trade name: UltraTemp™ Base**

(Contd. of page 5)

· **UN "Model Regulation":** 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)**

|            |              |
|------------|--------------|
| 14808-60-7 | Silica Glass |
|------------|--------------|

· **Australian Inventory of Industrial Chemicals**

|         |          |
|---------|----------|
| 50-70-4 | Sorbitol |
|---------|----------|

|           |            |
|-----------|------------|
| 1314-13-2 | Zinc Oxide |
|-----------|------------|

|             |                            |
|-------------|----------------------------|
| 112926-00-8 | Synthetic Amorphous Silica |
|-------------|----------------------------|

|            |                   |
|------------|-------------------|
| 51274-00-1 | Yellow Iron Oxide |
|------------|-------------------|

|  |                            |
|--|----------------------------|
|  | Co-Cr-AL Spinel Blue Green |
|--|----------------------------|

|            |                     |
|------------|---------------------|
| 68187-51-9 | V-9115 Buff Pigment |
|------------|---------------------|

|            |              |
|------------|--------------|
| 14808-60-7 | Silica Glass |
|------------|--------------|

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

None of the ingredients is listed.

· **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.

· **Seveso category E1** Hazardous to the Aquatic Environment

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **Chemical safety assessment:**

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

### 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.

· **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

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

· **\* Data compared to the previous version altered.**