



## Safety Data Sheet

acc. to OSHA HCS

Printing date 12/02/2025

Reviewed on 12/02/2025

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### 1 Identification

- **Product identifier**
- **Trade name:** OraSeal™ Caulk - OraSeal™ Putty
- **Article number:**  
SDS 87-001.11R01, 10322, 10321, 10259, 351, 351-JP, 352, 352-JP, 354, 10261, 14150, 353, 353-JP, 355, 4934
- **Application of the substance / the mixture** Professional Dental Caulking & Sealing Materials
- **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
- **Information department:** 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**



GHS08 Health hazard

Toxic to Reproduction 2 H361 Suspected of damaging fertility or the unborn child.

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** GHS08
- **Signal word** Warning
- **Health Hazard-determining components of labeling:**  
Siloxane Polyalkyleneoxide Copolymer
- **Hazard statements**  
H361 Suspected of damaging fertility or the unborn child.
- **Precautionary statements**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 1

Reactivity = 0

(Contd. on page 2)

US

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Printing date 12/02/2025

Reviewed on 12/02/2025

Trade name: OraSeal™ Caulk - OraSeal™ Putty

(Contd. of page 1)

## · HMIS-ratings (scale 0 - 4)

|            |   |
|------------|---|
| HEALTH     | 0 |
| FIRE       | 1 |
| REACTIVITY | 0 |

Health = 0

Fire = 1

Reactivity = 0

## 3 Composition/information on ingredients

### · Chemical characterization: Mixtures

· **Description:** Mixture of the substances listed below with nonhazardous additions.

### · Dangerous components:

|            |                                      |          |
|------------|--------------------------------------|----------|
| 57-55-6    | Propylene Glycol                     | <40%     |
| 13463-67-7 | Titanium Dioxide                     | 1-10%    |
|            | Siloxane Polyalkyleneoxide Copolymer | ≥0.1-<1% |

### · Additional information:

The specific chemical identity of composition is being withheld as a trade secret. The specific chemical identity is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of paragraph §1910.1200.

## 4 First-aid measures

### · Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor 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

### · Extinguishing media

### · Suitable extinguishing agents:

Water spray, fog, or mist, foam, dry chemical, carbon dioxide

Use fire fighting measures that suit the environment.

· **Special hazards arising from the substance or mixture** No further relevant information available.

### · Advice for firefighters

· **Protective equipment:** No special measures required.

## 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).

Dispose contaminated material as waste according to section 13.

(Contd. on page 3)

# Safety Data Sheet

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Printing date 12/02/2025

Reviewed on 12/02/2025

Trade name: OraSeal™ Caulk - OraSeal™ Putty

(Contd. of page 2)

- **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**  
See product labeling.  
Open and handle receptacle with care.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **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.  
Keep receptacle tightly sealed.
- **Specific end use(s)** Professional Dental Caulking & Sealing Materials

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the remaining constituent has no known exposure limits.

### 57-55-6 Propylene Glycol

|      |                                       |
|------|---------------------------------------|
| WEEL | Long-term value: 10 mg/m <sup>3</sup> |
|------|---------------------------------------|

### 13463-67-7 Titanium Dioxide

|           |  |
|-----------|--|
| ACGIH TLV | Short-term value: 10* 5 mg/m <sup>3</sup>  |
| PEL       | Long-term value: 15* mg/m <sup>3</sup><br>*total dust  |
| REL       | See Pocket Guide App. A  |
| TLV       | Long-term value: 0.2* 2.5** mg/m <sup>3</sup><br>resp. fraction, *nanoscale, **finescale, A3 |
| TWA       | Short-term value: 15* 5 mg/m <sup>3</sup>  |

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.
- **Breathing equipment:** Not required.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 12/02/2025

Reviewed on 12/02/2025

Trade name: OraSeal™ Caulk - OraSeal™ Putty

(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 is based 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

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

|                 |                     |
|-----------------|---------------------|
| Form:           | Paste               |
| Color:          | Off-white and Ivory |
| Odor:           | Odorless            |
| Odor threshold: | Not determined.     |

· **pH-value:** Not applicable (non-aqueous)

#### · Change in condition

|                              |               |
|------------------------------|---------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | >35 °C        |

· **Flash point:** >121 °C

· **Flammability:** Not applicable.

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

#### · Explosion limits:

|        |                 |
|--------|-----------------|
| Lower: | Not determined. |
| Upper: | Not determined. |

· **Vapor pressure:** Not determined.

|                   |                         |
|-------------------|-------------------------|
| Density at 20 °C: | 1-1.3 g/cm <sup>3</sup> |
| Relative density  | Not determined          |
| Vapor density     | Not determined.         |
| Evaporation rate  | Not determined.         |

(Contd. on page 5)

US

# Safety Data Sheet

acc. to OSHA HCS

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Reviewed on 12/02/2025

Trade name: OraSeal™ Caulk - OraSeal™ Putty

(Contd. of page 4)

- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity Stable**
- **Chemical stability**
- **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:**

· **LD/LC50 values that are relevant for classification:**

### 57-55-6 Propylene Glycol

|        |           |                       |
|--------|-----------|-----------------------|
| Oral   | LD50      | 18,000 mg/kg (rabbit) |
|        | LC50 Fish | >5,000 mg/l (Fish)    |
| Dermal | LD50      | 20,800 mg/kg (rabbit) |

### 13463-67-7 Titanium Dioxide

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

- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

(Contd. on page 6)

# Safety Data Sheet

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(Contd. of page 5)

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**· **Aquatic toxicity:****57-55-6 Propylene Glycol**

EC50 18,100 mg/kg (Algae)

**13463-67-7 Titanium Dioxide**

EC50 &gt;100 mg/kg (Algae)

&gt;1,000 mg/kg (Fish)

· **Persistence and degradability** No further relevant information available.· **Behavior 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 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **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 packagings:**· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· **UN-Number**· **DOT, ADN, IMDG, IATA**

Not Regulated

· **UN proper shipping name**· **DOT, ADN, IMDG, IATA**

Not Regulated

· **Transport hazard class(es)**· **DOT, ADN, IMDG, IATA**· **Class**

Not Regulated

· **Packing group**· **DOT, IMDG, IATA**

Not Regulated

(Contd. on page 7)

# Safety Data Sheet

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(Contd. of page 6)

- |   |                 |
|---|-----------------|
| · <b>Environmental hazards:</b>   | Not Applicable. |
| · <b>Special precautions for user</b>   | Not Applicable  |
| · <b>Transport in bulk according to Annex II of MARPOL 73/78 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**  
No further relevant information available.

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

57-55-6 Propylene Glycol

ACTIVE

13463-67-7 Titanium Dioxide

ACTIVE

- **Hazardous Air Pollutants**

None of the ingredients is listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **ACGIH Carcinogenicity (American Conference of Governmental Industrial Hygienists)**

None of the ingredients is listed.

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

None of the ingredients is listed.

- **Chemical safety assessment:**

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

US

(Contd. on page 8)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 12/02/2025

Reviewed on 12/02/2025

**Trade name: OraSeal™ Caulk - OraSeal™ Putty**

(Contd. of page 7)

## 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
- **Date of preparation / last revision** 12/02/2025 / -
- **Abbreviations and acronyms:**
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - 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)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - 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
  - OSHA: Occupational Safety & Health
  - TLV: Threshold Limit Value
  - PEL: Permissible Exposure Limit
  - REL: Recommended Exposure Limit
  - Toxic to Reproduction 2: Reproductive toxicity – Category 2
- **\* Data compared to the previous version altered.**

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