

Safety Data Sheet

according to WHS Regulations

Date of issue: 03.12.2025

Revision: 03.12.2025

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1 Identification

- **Other means of identification**
- **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
- **Relevant identified uses of the substance or mixture and uses advised against**
Professional Dental Caulking & Sealing Materials
- **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
- **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.

- **Dangerous components:**

57-55-6	Propylene Glycol	<40%
13463-67-7	Titanium Dioxide	1-10%
	Siloxane Polyalkyleneoxide Copolymer	≥0.1-<1%
	◆ Reproductive toxicity – Category 2, H361f	

(Contd. on page 2)

AU

Safety Data Sheet

according to WHS Regulations

Date of issue: 03.12.2025

Revision: 03.12.2025

Trade name: OraSeal™ Caulk - OraSeal™ Putty

(Contd. of page 1)

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

4 First Aid Measures

- **General information:** No special measures required.
- **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

- **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:** 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).
- **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.
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 Caulking & Sealing Materials

8 Exposure controls and personal protection

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

(Contd. on page 3)

AU

Safety Data Sheet
according to WHS Regulations

Date of issue: 03.12.2025

Revision: 03.12.2025

Trade name: OraSeal™ Caulk - OraSeal™ Putty

(Contd. of page 2)

· Ingredients with limit values that require monitoring at the workplace:

57-55-6 Propylene Glycol

WES	Long-term value: 474* 10** mg/m ³ , 150* ppm *vapour&particulates; **particulates only
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13463-67-7 Titanium Dioxide

WES	Long-term value: 10 mg/m ³ inhalable dust
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· 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: Use suitable respiratory protective device in case of insufficient ventilation.

· 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:	Paste
· Colour:	Off-white and Ivory
· Odour:	Odourless
· Odour threshold:	Not determined.
· pH-value:	Not applicable (non-aqueous)
· Change in condition	
· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	>35 °C
· Flash point:	>121 °C
· 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 at 20 °C:	1-1.3 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

(Contd. on page 4)

AU

Safety Data Sheet
according to WHS Regulations

Date of issue: 03.12.2025

Revision: 03.12.2025

Trade name: OraSeal™ Caulk - OraSeal™ Putty

(Contd. of page 3)

· Evaporation rate	Not determined.
· 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	
· Particle characteristics	Not applicable.
· Physical state	Liquid

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:**

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:**

- **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: 03.12.2025

Revision: 03.12.2025

Trade name: OraSeal™ Caulk - OraSeal™ Putty

(Contd. of page 4)

12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

57-55-6 Propylene Glycol

EC50 18,100 mg/kg (Algae)

13463-67-7 Titanium Dioxide

EC50 >100 mg/kg (Algae)

>1,000 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 1 (German Regulation) (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 packaging:**

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

14 Transport information

- **UN-Number**

- **ADG, ADN, 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)

AU

Safety Data Sheet

according to WHS Regulations

Date of issue: 03.12.2025

Revision: 03.12.2025

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

(Contd. of page 5)

- **UN "Model Regulation":** not regulated

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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**

57-55-6	Propylene Glycol
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63148-62-9	Dimethyl siloxane
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13463-67-7	Titanium Dioxide
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- **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.

- **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.

- **Relevant phrases from Section 3**

H361f Suspected of damaging fertility.

- **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

Reproductive toxicity – Category 2: Reproductive toxicity – Category 2

- * Data compared to the previous version altered.

AU