



# Safety Data Sheet according to WHS Regulations

Date of issue: 18.12.2025

Revision: 02.12.2020

## 1 Identification

- **Other means of identification**
- **Trade name:** *Ultradent™ Universal Dentin Sealant*
- **Article number:** *SDS 142-001.09R01, 10344, 14868, 266*
- **Relevant identified uses of the substance or mixture and uses advised against** *Professional Dentin Sealant*
- **Application of the substance / the mixture** *Professional Dentin Sealant*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Manufactured by Mantrose-Hauser Company for  
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**



GHS02 flame

Flammable liquids – Category 2      H225 Highly flammable liquid and vapour.



GHS07

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

- **Additional information:**  
*This product is regulated by FDA - not subject to 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).*

- **Label elements**
- **GHS label elements** *Void*
- **Hazard pictograms** *GHS02, GHS07*
- **Signal word** *Danger*
- **Hazard statements**  
*H225 Highly flammable liquid and vapour.*

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 18.12.2025

Revision: 02.12.2020

**Trade name: Ultradent™ Universal Dentin Sealant**

(Contd. of page 1)

H319 Causes serious eye irritation.

· **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.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P235 Store in a well-ventilated place. Keep cool.

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:**

64-17-5	Ethyl Alcohol	50-75%
	⚠ Flammable liquids – Category 2, H225; ⚠ Eye damage/irritation – Category 2A, H319	

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

### 4 First Aid Measures

· **General information:**

Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.

· **After inhalation:**

Immediate medical attention is required. Move to fresh air. If not breathing, give artificial respiration. Consult a physician.

· **After skin contact:**

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Use a mild soap if available. Call a physician if irritation develops or persists.

· **After eye contact:**

Remove contact lenses, if present. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation develops or persists.

· **After swallowing:**

Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention if symptoms develop.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

· **Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

### 5 Fire Fighting Measures

· **Suitable extinguishing agents:** Use water spray, fog, carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 18.12.2025

Revision: 02.12.2020

**Trade name: Ultradent™ Universal Dentin Sealant**

(Contd. of page 2)

- **Special hazards arising from the substance or mixture**  
Hazardous decomposition products due to incomplete combustion. Flash back possible over considerable distance.
- **Protective equipment:**  
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system. See Section 12 for additional Ecological information.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Methods for Containment: Prevent further leakage or spillage if safe to do so.  
Methods for cleaning up: Pick up and transfer to properly labeled containers
- **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:**  
Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition - No smoking. All ignition sources should be eliminated. Smoking should be prohibited in storage areas. Electrical installations should be in accordance with Article 501 of National Electrical Code. The NFPA 30 Flammable and Combustible Liquids Code should be followed for all storage and handling. Frequent careful leakage inspection should be done. Automatic sprinkler system should be provided. Isolate from oxidizers, chemicals capable of spontaneous heating, materials reacting with air or moisture to liberate heat ignition sources and explosive. Consult local fire codes for additional storage information.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Storage Conditions: Keep locked up or in an area accessible only to qualified or authorized persons. Store between 41 and 77 °F (5 - 25° C) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store in original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
See product labelling.  
Keep container tightly sealed.  
Store in cool, dry conditions in well - sealed receptacles.
- **Specific end use(s)** Professional Dentin Sealant

AU

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 18.12.2025

Revision: 02.12.2020

Trade name: **Ultradent™ Universal Dentin Sealant**

(Contd. of page 3)

### 8 Exposure controls and personal protection

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

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

**64-17-5 Ethyl Alcohol**

WES Long-term value: 1880 mg/m<sup>3</sup>, 1000 ppm

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

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

· **Respiratory protection:**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

· **Eye protection:**

Safety glasses with side shields.



Tightly sealed goggles

· **Body protection:** Protective work clothing

### 9 Physical and Chemical Properties

· **General Information**

· **Appearance:**

· **Form:**

Liquid

· **Colour:**

Yellow-brown

· **Odour:**

Pleasant

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

· **Melting point/freezing point:**

-114 °C

· **Initial boiling point and boiling range:**

78 °C

· **Flash point:**

11 °C

· **Flammability**

Highly flammable.

· **Decomposition temperature:**

Not determined.

· **Ignition temperature:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Vapour pressure at 20 °C:**

59.5 hPa

· **Density at 20 °C:**

0.968 g/cm<sup>3</sup>

· **Relative density**

Not determined.

· **Vapour density at 20 °C**

1.59 g/cm<sup>3</sup>

· **Evaporation rate**

Not determined.

· **Solubility in / Miscibility with**

· **water:**

Not miscible or difficult to mix.

· **Partition coefficient: n-octanol/water:** Not determined.

(Contd. on page 5)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 18.12.2025

Revision: 02.12.2020

**Trade name: Ultradent™ Universal Dentin Sealant**

(Contd. of page 4)

- **Viscosity:**
- **Dynamic:** *Not determined.*
- **Kinematic:** *Not determined.*

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

### 10 Stability and Reactivity

- **Reactivity** *Stable when stored and handled under recommended conditions.*
- **Chemical stability** *Stable under recommended conditions.*
- **Thermal decomposition / conditions to be avoided:** *Stable under recommended storage conditions*
- **Possibility of hazardous reactions:** *No dangerous reactions known.*
- **Conditions to avoid:** *Oxidizing Agents*
- **Incompatible materials:** *Strong oxidizing agents*
- **Hazardous decomposition products:**  
*Nitrogen oxides (NO<sub>x</sub>)*  
*Carbon dioxide*  
*Carbon monoxide*

### 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:**

#### 64-17-5 Ethyl Alcohol

Oral	LD50	5,600 mg/kg (guinea pig)
		3,400 mg/kg (mouse)
		7,060 mg/kg (rat)
Inhalative	LC50 Fish	>10,000 mg/l (Fish)
	LC50/4 h	39 mg/l (mouse) 20,000 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
*Product Information*
  - *May cause irritation and defatting of skin on prolonged contact.**Component Information*
  - *No information available**Based on available data, the classification criteria are not met.*
- **Serious eye damage/irritation**  
*Product Information*
  - *Liquid or vapor may cause irritation.**Component Information*
  - *No information available**Causes serious eye irritation.*
- **Respiratory or skin sensitisation**  
*Product Information*
  - *Exposure to over 1000 ppm may cause headache, drowsiness, vomiting, coughing, dizziness or stupor.**Component Information*
  - *No information available*

(Contd. on page 6)

## Safety Data Sheet according to WHS Regulations

Date of issue: 18.12.2025

Revision: 02.12.2020

**Trade name: Ultradent™ Universal Dentin Sealant**

(Contd. of page 5)

- 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.

### 12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

**64-17-5 Ethyl Alcohol**

Algae Toxicity | 1,000 mg/l (Algae)

- **Persistence and degradability** No information available

- **Behaviour in environmental systems:**

- **Bioaccumulative potential**

Discharge into the environment must be avoided

Chemical Name	log Pow
Ethanol	-0.32
64-17-5	

- **Mobility in soil** No information available

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** Discharge into the environment must be avoided

### 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**

UN1866

- **UN proper shipping name**

- **ADG**

- **IMDG, IATA**

1866 RESIN SOLUTION  
RESIN SOLUTION

(Contd. on page 7)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 18.12.2025

Revision: 02.12.2020

Trade name: **Ultradent™ Universal Dentin Sealant**

(Contd. of page 6)

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

3 Flammable liquids.

· **Label**

3

· **Packing group**· **ADG, IMDG, IATA**

II

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Warning: Flammable liquids.

· **Hazard identification number (Kemler code):**

33

· **EMS Number:**F-E,S-E· **Stowage Category**

B

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

Not applicable.

· **Transport/Additional information:**· **ADG**· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **Transport category**

2

· **Tunnel restriction code**

D/E

· **IMDG**· **Limited quantities (LQ)**

5L

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":**

UN 1866 RESIN SOLUTION, 3, II

### 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**

None of the ingredients is listed.

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

(Contd. on page 8)

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 18.12.2025

Revision: 02.12.2020

**Trade name: Ultradent™ Universal Dentin Sealant**

(Contd. of page 7)

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P5c FLAMMABLE LIQUIDS**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 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.

- **Relevant phrases from Section 3**  
H225 Highly flammable liquid and vapour.  
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  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
Flammable liquids – Category 2: Flammable liquids – Category 2  
Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
- **\* Data compared to the previous version altered.**

AU