



Safety Data Sheet

1. Identification

Product Information.	M18331 M18335
Article Number:	SDS 142-001.09R01, 10344, 14868, 266
Product Name:	Ultradent™ Universal Dentin Sealant
Recommended Use.	No information available
Uses advised against.	No information available
Manufacturer/Supplier.	Mantrose-Haeuser Company for Ultradent Products, Inc. 505 W. Ultradent Drive (10200 S) South Jordan, UT 84095-3942 USA
Emergency telephone number.	E-Mail: onlineordersupport@ultradent.com CHEMTREC (NORTH AMERICA): +1 (800) 424-9300 (INTERNATIONAL): +(703) 527-3887

2. Hazards Identification

This product is regulated by FDA - not subject to 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Flammable Liquid, category 2

GHS Pictograms



Signal Word
Danger

Unknown Acute Toxicity

< 0.1% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

Highly flammable liquid and vapour.

Precautionary Statements - Prevention.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use CO₂ dry chemical or foam to extinguish.

Precautionary Statements - Storage.

Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal.

Dispose of contents in accordance with local/regional/national/international regulations.

3. Composition/Information on Ingredients

2-Dec-2020 M18335 (US GHS SDS/English)

Chemical Name

CAS-No.

Wt. %

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid Measures

Description of first-aid measures.

General advice.

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

Inhalation.

Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye contact.

Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Call a physician if irritation develops or persists.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Clean mouth with water. Get medical attention immediately if symptoms occur.

Symptoms.

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

Notes to physician.

Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media.

Suitable extinguishing media.

Water spray. Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO₂).

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

Special hazards arising from the substance or mixture.

Hazardous decomposition products due to incomplete combustion. Flash back possible over considerable distance.

Advice for firefighters.

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. Personal precautions.

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not breathe vapors or spray mist.

Advice for emergency responders.

Remove all sources of ignition. Use personal protection recommended in Section 8.

Environmental precautions.

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. See Section 12 for additional Ecological information.

Methods and materials 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 labelled containers.

Reference to other sections.

See section 8 for more information.

7. Handling and Storage

Conditions for safe storage, including any incompatibilities.

Advice on 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 the 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.

Hygiene measures.

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash thoroughly contaminated clothing before re-use.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place. Store in original container. Store between 41 and 77 °F (5 - 25° C) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep locked up or in an area accessible only to qualified or authorized persons.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Ethanol	N.E.	1000 ppm	1000 ppm	N.E.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

Engineering Measures.

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment.

Eye/Face Protection.

Use safety glasses if no eye contact is anticipated. If eye contact is anticipated, wear chemical splash goggles meeting specs of ANSI Standard Z87.1.

Skin and body protection.

Wear protective gloves/ protective clothing.

Respiratory protection.

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

9. Physical and chemical properties.

Information on basic physical and chemical properties.

Physical state	Liquid
Appearance	Colored liquid
Color	Yellow to Tan/Brown
Odor	Pleasant
Odor Threshold	No Information
No Information pH	No Information
Melting/freezing point., °C (°F)	-114 (-173.2)
Flash Point., °C (°F)	11 (51.80)
Boiling point/boiling range., °C (°F)	78 (172.4)
Evaporation rate	>1
Explosive properties.	No Information
Vapor pressure.	44.6mm@ 68°F
Vapor density.	No Information
Specific Gravity. (g/cm3)	0.968
Water solubility.	No Information
Partition coefficient.	No Information

Autoignition temperature., °C No Information
 Decomposition Temperature °C. No Information
 Viscosity, kinematic. No Information

Other information.

Volatile organic compounds (VOC) content. No Information
 Density, lb/gal No Information

10. Stability and Reactivity

Reactivity.

Stable under normal conditions.

Chemical stability.

Stable under recommended storage conditions.

Possibility of hazardous reactions.

None known based on information supplied.

Conditions to Avoid.

Strong oxidizing agents.

Incompatible Materials.

None known based on information supplied.

Hazardous Decomposition Products.

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitro
 x), dense black smoke.

11. Toxicological Information

Information on toxicological effects.**Acute toxicity.****Product Information**

No Information

Component Information.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
64-17-5	Ethanol	7060 mg/kg Rat	N.I.	124.7 mg/L Rat (Vapor)
N.I. = No Information				

Skin corrosion/irritation.

May cause irritation and defatting of skin on prolonged contact.

Eye damage/irritation.

Liquid or vapor may cause irritation.

Respiratory or skin sensitization.

Exposure to over 1000ppm may cause headache, drowsiness, vomiting, coughing, dizziness or stupor.

Ingestion.

May cause adverse liver effects. Ingestion can cause loss of consciousness, convulsions, cyanosis, congestion and capillary hemorrhaging of the lungs and internal organs.

Germ cell mutagenicity.

No Information

Carcinogenicity.

No Information

Reproductive toxicity.

No Information

Specific target organ systemic toxicity (single exposure). No Information

Specific target organ systemic toxicity (repeated exposure). No Information

Aspiration hazard.

No Information

Primary Route(s) of Entry No Information

12. Ecological Information

Toxicity.

0.00% of the mixture consists of ingredient(s) of unknown aquatic toxicity **Ecotoxicity**

effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Ethanol 64-17-5	-	LC50 96 h Oncorhynchus mykiss 12.0 - 16.0 mL/L, LC50 96 h Pimephales promelas >100 mg/ L, LC50 96 h Pimephales promelas 13400 - 15100 mg/L	LC50 48 h Daphnia magna 9268 - 14221 mg/L, EC50 48 h Daphnia magna 2 mg/L

Persistence and degradability.

No data are available on the product itself.

Bioaccumulative potential.

Discharge into the environment must be avoided.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>log POW</u>
64-17-5	Ethanol	-0.32

Mobility in soil.

No information

Other adverse effects. No

information

13. Disposal Considerations

Waste Disposal Guidance.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. Transport Information

DOT

Shipping Name:	Resin Solution
Hazard Class:	Class 3, Flammable liquid
UN/NA Number:	UN 1866
Packing Group:	II

IMDG

Hazard Class:	Class 3, Flammable Liquid
UN Number:	UN 1866
Packing Group:	II

IATA

Hazard Class:	Class 3, Flammable liquid
UN Number:	UN 1866
Packing Group:	II

15. Regulatory Information

International Inventories:

TSCA	-
DSL	-
DSL/NDL	-
EINECS/ELINCS	-
ENCS	-
IECSC	Complies
KECI	-
PICCS	-
AICS	Complies
NZIoC	Complies

TCSI

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
DSL/NDL	Canadian Domestic Substances List/Canadian Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AICS	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.
TCSI	Taiwan Chemical Substance Inventory

U.S. Federal Regulations:

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372: .

This product does not contain any chemicals that are subject to the reporting requirements of SARA 313.

TOXIC SUBSTANCES CONTROL ACT 12(b):

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:.

This product does not contain any chemicals that are subject to the reporting requirements of TSCA 12(b).

CALIFORNIA PROPOSITION 65 CARCINOGENS

No Proposition 65 Carcinogens exist in this product.

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

16. Other Information

Revision Date: 12/2/2020 **Supersedes Date:** 10/9/2020

Reason for revision: Substance and/or Product Properties Changed in Section(s):
 02 - Hazards Identification
 11 - Toxicological Information
 15 - Regulatory Information
 Product Composition Changed
 Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	N.I.	Flammability:	N.I.	Physical Hazard:	N.I.	Personal Protection:	N.I.
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NFPA Ratings:

Health:	N.I.	Flammability:	N.I.	Instability:	N.I.	Physical & Chemical:	N.I.
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.