



Safety Data Sheet according to WHS Regulations

Date of issue: 01.07.2026

Revision: 01.07.2026

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1 Identification

- **Other means of identification**
- **Trade name:** *ExperTemp™ (All Shades)*
- **Article number:** SDS 336-001.09R01, 6340, 6341, 6344, 6347
- **Relevant identified uses of the substance or mixture and uses advised against**
Professional Dental Temporary Crown & Bridge Material
- **Application of the substance / the mixture** *Professional Dental Temporary Crown & Bridge Material*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
*Manufactured by Kettenbach GmbH & Co. KG 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**



GHS08 health hazard

Reproductive toxicity – Category 2

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

Specific target organ toxicity (repeated exposure) – Category 1

H372-H373 Causes damage to organs through prolonged or repeated exposure. May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS07

Skin sensitisation – Category 1

H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** *Void*

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- **Hazard pictograms** GHS07, GHS08
- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
 - Diurethane Dimethacrylate (15-<40 %)
 - Cristobalite (30-<60 %)
 - 1,12-Dodecanediol dimethacrylate (3-<7 %)
- **Hazard statements**
 - H317 May cause an allergic skin reaction.
 - H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
 - H372-H373 Causes damage to organs through prolonged or repeated exposure. May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.
- **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.
 - P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 - P280 Wear protective gloves/protective clothing/eye protection/face protection.
 - P308+P313 IF exposed or concerned: Get medical advice/attention.
 - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 - P405 Store locked up.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Preparation of multifunctional methacrylates, filler materials and additives.

- **Dangerous components:**

14464-46-1	Cristobalite	30-<60%
	☠ Specific target organ toxicity (repeated exposure) – Category 1, H372	
72869-86-4	Diurethane Dimethacrylate	15-<40%
	⚠ Skin sensitisation – Category 1, H317	
72829-09-5	1,12-Dodecanediol dimethacrylate	3-<7%
	⚠ Skin sensitisation – Category 1B, H317	
68909-20-6	Hydrophobic Pyrogenic Silica	1-<5%
	☠ Specific target organ toxicity (repeated exposure) – Category 2, H373	

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

4 First Aid Measures

- **General information:**
 - In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
- **After inhalation:** Supply fresh air.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
 - Rinse mouth with water.
 - Do NOT induce vomiting.

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- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- **Indication of any immediate medical attention and special treatment needed**
First Aid, decontamination, treatment of symptoms.

5 Fire Fighting Measures

- **Suitable extinguishing agents:** All standard extinguishing agents are suitable.
- **Special hazards arising from the substance or mixture**
Thermal decomposition can lead to the escape of irritating gases and vapors.
Carbon monoxide
Carbon dioxide (CO₂)
- **Protective equipment:** Wear a self-contained breathing apparatus and chemical protective clothing
- **Additional information** Suppress gases/vapors/mists with water spray jet

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures** Use personal protection equipment.
- **For non-emergency personnel** Do not breathe mist/vapors/spray.
- **Environmental precautions:** Do not allow to enter into surface water or drains.
- **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:** Wash contaminated clothing before reuse.
- **Precautions for safe handling:**
Keep away from heat, flame and direct sunlight.
Wear personal protection equipment (refer to section 8).
- **Information about fire - and explosion protection:**
Usual measures for fire prevention.
No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in tightly closed container.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:** Please pay attention to the information on the package
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

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

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

14464-46-1 Cristobalite

WES Long-term value: 0.05 mg/m³
respirable dust

- **Additional information:** None.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
- **Respiratory protection:** Not required
- **Protection of hands:**



Protective gloves

- **Material of gloves**
Suitable material:
Butyl rubber., NR (Natural rubber (Caoutchouc), Natural latex), PVC (Polyvinyl chloride).

Unsuitable material;
NBR (Nitrile rubber).

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

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9 Physical and Chemical Properties

- **General Information**
- **Appearance:**
- **Form:** Paste
- **Colour:** tooth-colored
- **Odour:** almost odourless
- **Odour threshold:** Not determined
- **pH-value:** Not available
- **Change in condition**
- **Melting point/freezing point:** Not available
- **Initial boiling point and boiling range:** Not available
- **Flash point:** > 100 °C
- **Flammability** Not available
- **Auto-ignition temperature:** > 300 °C
- **Decomposition temperature:** Not available
- **Explosive properties:** not applicable
- **Explosion limits:**
- **Lower:** Not available
- **Upper:** Not available

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- **Vapour pressure:** Not available
- **Density at 20 °C:** ~1.4 g/cm³
- **Relative density** Not available
- **Vapour density** Not available
- **Evaporation rate** Not determined
- **Solubility in / Miscibility with**
- **water:** Not available
- **Partition coefficient: n-octanol/water:** Not available
- **Viscosity:**
- **Dynamic at 20 °C:** ~9,000 mPas
- **Kinematic:** Not available

- **Other information**
- **Particle characteristics** Not available
- **Physical state** Paste

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10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under recommended conditions of storage, use and temperature.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Storage outside of the predetermined storage conditions (see packaging)
- **Incompatible materials:** Not known
- **Hazardous decomposition products:**
Carbon monoxide
Carbon dioxide

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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:

72869-86-4 Diurethane Dimethacrylate

Oral	LD50	>5,000 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation
- **Serious eye damage/irritation** Irritant effect on the eye.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction (7,7,9(or 7,9,9)
-trimethyl-4, 13-dioxo-3,14-dioxo-5,12-diazaheptadecane-1,16-diyl bismethacrylate; 1,12-DODECANEDIOL DIMETHACRYLATE)
- **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.

Carcinogenicity (OSHA): Cristobalite (CAS 14464-46-1) is listed.

Carcinogenicity (IARC): Cristobalite (CAS 14464-46-1) is listed in group 1.

Carcinogenicity (NTP): Cristobalite (CAS 14464-46-1) is listed in group Known.

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Causes damage to organs through prolonged or repeated exposure. May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**

72869-86-4 Diurethane Dimethacrylate

EC50 >0.6 mg/kg (Algae)

Biodegradability 28 days (Aerobic) (Biodegradability testing)

· **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.

· **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**

Do not remove with domestic waste. Do not allow to enter drains or watercourses.

Dispose of contents/container in accordance with international, federal, state, and local regulations.

· **Uncleaned packaging:**

· **Recommendation:** Non contaminated packagings may be recycled.

14 Transport information

· **UN-Number**

· **ADG, IMDG, IATA**

UN3082

· **UN proper shipping name**

· **ADG**

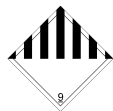
3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.

· **IMDG, IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.

· **Transport hazard class(es)**

· **ADG, IMDG, IATA**



· **Class**

III

· **Label**

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· Packing group	III
· ADG, IMDG, IATA	III
· Environmental hazards:	Not applicable
· Special precautions for user	Not Applicable
· Hazard identification number (Kemler code):	90
· EMS Number:	F-A,S-F
· Stowage Category	A
· 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: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· 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)**

14464-46-1 Cristobalite

· **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.

· **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**

H317 May cause an allergic skin reaction.

H372 Causes damage to organs through prolonged or repeated exposure.

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H373 May cause damage to organs through prolonged or repeated exposure.

· **Department issuing SDS:** Regulatory Compliance

· **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

Skin sensitisation – Category 1: Skin sensitisation – Category 1

Skin sensitisation – Category 1B: Skin sensitisation – Category 1B

Reproductive toxicity – Category 2: Reproductive toxicity – Category 2

Specific target organ toxicity (repeated exposure) – Category 1: Specific target organ toxicity (repeated exposure) – Category 1

Specific target organ toxicity (repeated exposure) – Category 2: Specific target organ toxicity (repeated exposure) – Category 2

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

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