

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

077079957

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

055842299

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

070827451 077079940 077080070 077080955 273002156

ACTIO MSDS ID: 32201

**View Section :**   **1**   **2**   **3**   **4**   **5**   **6**   **7**   **8**   **9**   **10**   **11**   **12**   **13**   **14**   **15**   **16****SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

1312

**Product Name:** Vita Cerec Liquid

**Manufacturer MSDS.:** 1312

**Distributor Name:** Vita Zahnfabrik, H. Rauter GmbH and Company KG

**Distributor Address:** Postfach 1338  
D 79704 Bad Säckingen

**Fax:** 07761/562299

**e-mail:** info@vita-zahnfabrik.com

**Information in case of emergency:** Tel.: ++49-(0)7761-562-0

**See section 16 for emergency contact information for the US and Canada**

**Vident**  
3150 E. Birch St.  
Brea, CA 92821

**Phone:** 714-961-6200  
**Fax:** 714-961-6299

**Distributor Telephone:** 07761/562-0

**Revision Date:** 10/27/08  
**Supersedes:** 02.06.2008  
**Rev.:** C

**Trade Names:** VITA CEREC LIQUID

**Manufacturer Name:** Vita Zahnfabrik, H. Rauter GmbH and Company KG

**Address:** Postfach 1338  
D 79704 Bad Säckingen

**Information in case of emergency:** Tel.: ++49-(0)7761-562-0

**See section 16 for emergency contact information for the US and Canada**

**General Use:** Application of the substance/product: Auxiliary for manufacture of dental prothesis

**Email:** info@vita-zahnfabrik.com

**Business Phone:** 07761/562-0

**Business Fax:** 07761/562299

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

**SD-106**

**Product Codes:** ECL, Vident: V55-104

[To Top of page](#)**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

1312

Ingredient Name	CAS#	Ingredient Percent
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EC Index Number: 1  
Chemical characterization: Description: Aqueous mixing liquid containing polysorbat  
Dangerous components: Void

Additional information: For the wording of the listed risk phrases refer to section 16.

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### SECTION 3 : HAZARDS IDENTIFICATION

1312

Environment Hazards: Information concerning to particular hazards to man and environment:  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Hazard description: Not applicable.

Classification system:  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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### SECTION 4 : FIRST AID MEASURES

1312

Eye Contact: Rinse opened eye for several minutes under running water.

Skin Contact: Generally the product does not irritate the skin.

Inhalation: Supply fresh air; consult doctor in case of complaints.

Ingestion: After swallowing: If symptoms persist consult doctor.

General Information: No special measures required.

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### SECTION 5 : FIRE FIGHTING MEASURES

1312

Explosion: Danger of explosion: Product does not present an explosion hazard.

Flash Point: 221 deg C

Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Protective Equipment: No special measures required.

Self-igniting: Product is not selfigniting.

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### SECTION 6 : ACCIDENTAL RELEASE MEASURES

1312

Personal Precautions: Person-related safety precautions: Not required.

Spill Cleanup Measures: Measures for cleaning/collecting:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Environmental Precautions: Measures for environmental protection:  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.  
Do not allow to enter sewers/surface or ground water.

Additional Information: No dangerous substances are released.

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**SECTION 7 : HANDLING and STORAGE**

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1312

Handling:	Information for safe handling: No special measures required.
Storage:	Information about fire - and explosion protection: No special measures required. 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: None
Hygiene Practices:	The usual precautionary measures are to be adhered to when handling chemicals.

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**SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION**

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1312

Personal Protective Equipment Routine Handling:	General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
Hand Protection Description:	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 the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.  Penetration time of glove material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye/Face Protection:	Goggles recommended during refilling.
Respiratory Protection:	Not required.
Exposure Limits:	Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information about design of technical facilities: No further data; see section 7.  Additional information: The lists valid during the making were used as basis.

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**SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES**

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1312

Physical State/Appearance:	Form: Fluid Transparent
Odor:	Characteristic
pH:	Value at 20 deg C: 3
Vapor Pressure:	At 20 deg C: 23 hPa
Flash Point:	221 deg C
Boiling Point:	100 deg C
Melting Point:	Undetermined
Solubility:	In/Miscibility with Water: Fully miscible
Density:	At 20 deg C: 1.04 g/cm3
Danger of explosion:	Product does not present an explosion hazard. Self-igniting: Product is not selfigniting.

Solvent content:  
Organic solvents: 0.0%  
Water: 70.0%

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**SECTION 10 : STABILITY and REACTIVITY**

1312

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Conditions to Avoid:	No decomposition if used according to specifications.
Reactivity:	Dangerous reactions: No dangerous reactions known.
Hazardous Decomposition Products:	Thermal decomposition: No decomposition if used according to specifications.  Dangerous decomposition products: No dangerous decomposition products known.

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**SECTION 11 : TOXICOLOGICAL INFORMATION**

1312

**Applies to All Ingredients :**

Sensitization:	No sensitizing effects known.
Irritation:	Primary irritant effect: On the skin: No irritant effect. On the eye: No irritating effect.
Other Toxicological Information:	Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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**SECTION 12 : ECOLOGICAL INFORMATION**

1312

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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.
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**SECTION 13 : DISPOSAL CONSIDERATIONS**

1312

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Waste Disposal:	Product: Recommendation: Disposal must be made according to official regulations.  Uncleaned packaging: Recommendation: Disposal must be made according to official regulations. Recommended cleansing agents: Water, if necessary together with cleansing agents.
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**SECTION 14 : TRANSPORT INFORMATION**

1312

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Maritime Pollutant:	No
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**SECTION 15 : REGULATORY INFORMATION**

1312

**Applies to all ingredients:**

European Community Chemical  
Inventory Status:

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and  
the Ordinance on Hazardous Materials (German GefStoffV)

WGK:

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous  
for water.

Safety Phrase:

29: Do not empty into drains.

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**SECTION 16 : ADDITIONAL INFORMATION**

1312

MSDS Revision Date:

10/27/08

Supersedes: 02.06.2008

Rev.: C

Data compared to the previous version altered sections: 2

Disclaimer:

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.

SPILLS, EXPOSURES, POISONINGS:

MSDS MATERIAL SAFETY DATA SHEETS

800-451-8346 or 760-602-8703

INFO TO HAVE WHEN CALLING:

Product Name & Number

Manufacturer Name

Manufacturer Phone Number

UPC Code

24 Hours a Day

7 Days a Week

365 Days A Year

24-7-365

3E COMPANY

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# Safety Data Sheet

acc. to OSHA HCS

Printing date 06/03/2014

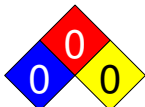
Reviewed on 06/03/2014

## 1 Identification

- **Product identifier**
- **Trade name:** VITA CEREC LIQUID
- **Article number:** ECL
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Auxiliary for manufacture of dental prothesis
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
VITA Zahnfabrik  
H. Rauter GmbH & Co. KG
- Postfach 1338  
D 79704 Bad Säckingen  
e-mail: info@vita-zahnfabrik.com
- **Emergency telephone number:** Tel.: ++49-(0)7761-562-0

Tel.: 07761/562-0  
Fax: 07761/562299

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The product is not classified according to the Globally Harmonized System (GHS).
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC not applicable**
  - **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
  - **Classification system:**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
  - **Label elements**
  - **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals  
The product is not subject to identification regulations according to directives on hazardous materials.
  - **Safety phrases:**  
Do not empty into drains.
  - **Classification system**
  - **NFPA ratings (scale 0-4)**
- 

Health = 0

Fire = 0

Reactivity = 0
- **Other hazards**
  - **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Aqueous mixing liquid containing polysorbat
- **Dangerous components:** Void

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USA

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 06/03/2014

Reviewed on 06/03/2014

**Trade name: VITA CEREC LIQUID**

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

### 4 First-aid measures

- **Description of 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

- **Extinguishing media**
- **Suitable extinguishing agents** 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 product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**  
No dangerous substances are released.  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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### 7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **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:** None.
- **Storage class** 12
- **Specific end use(s)** No further relevant information available.

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### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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# Safety Data Sheet

acc. to OSHA HCS

Printing date 06/03/2014

Reviewed on 06/03/2014

Trade name: VITA CEREC LIQUID

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- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **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**  
e.g. Dermatrill P, KCL Nr. 743  
The selection of the 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 break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Fluid
Color:	Transparent
- **Odor:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value at 20 °C (68 °F):** 3
- **Change in condition**

Melting point/Melting range:	undetermined
Boiling point/Boiling range:	100 °C (212 °F)
- **Flash point:** 221 °C (430 °F)
- **Flammability (solid, gaseous)** Not applicable.
- **Ignition temperature:**
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

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Trade name: VITA CEREC LIQUID

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· <b>Oxidizing properties</b>	None
· <b>Vapor pressure at 20 °C (68 °F):</b>	23 hPa (17 mm Hg)
· <b>Density at 20 °C (68 °F):</b>	1.04 g/cm <sup>3</sup> (8.679 lbs/gal)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
dynamic:	Not determined.
kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	0.0 %
Water:	70.0 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **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:**
- **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 is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **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.

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Reviewed on 06/03/2014

Trade name: VITA CEREC LIQUID

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## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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** Disposal must be made according to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- |  |  |
|--|--|
| · <b>UN-Number</b>   |  |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | Void   |
| · <b>UN proper shipping name</b>   |  |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | Void   |
| · <b>Transport hazard class(es)</b>  |  |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   |  |
| · <b>Class</b>   | Void   |
| · <b>Packing group</b>   |  |
| · <b>DOT, ADR, IMDG, IATA</b>  | Void   |
| · <b>Environmental hazards:</b>  |  |
| · <b>Marine pollutant:</b>   | No   |
| · <b>Special precautions for user</b>  | Not applicable.                                      |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | -  |

USA

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Trade name: VITA CEREC LIQUID

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## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

· **SARA Section 313 (specific toxic chemical listings)**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act)**

110-44-1 Sorbic acid

7732-18-5 water, distilled, conductivity or of similar purity

· **Prop 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

· **National regulations**

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 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.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

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

USA