

Material Safety Data Sheet
According to 91/155 EEC

Printing date 18 03 2005

Reviewed on 16 03 2005

* **1 Identification of substance:**

· **Product details:**

· **Trade name:** VITA CEREC POWDER

· **Article number:** ECPO **Vident Part Number:** V55-101

· **Manufacturer/Supplier:**
VITA Zahnfabrik
H. Rauter GmbH & Co KG

Distributed By:
Vident

3150 E. Birch St.
Brea, CA 92821

Phone: 714-961-6200
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Postfach 1338
D 79704 Bad Säckingen

Emergency Contact Info. For U.S. and Canada:
See last page

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

* **2 Composition/Data on components:**

· **Chemical characterization**

· **Description:**

Mixture of titanium dioxide and zirconium dioxide with nonhazardous additions

· **Dangerous components:**

CAS. 1314-23-4 zirconium dioxide 25-50%
EINECS. 215-227-2

CAS. 13463-67-7 titanium dioxide 25-50%
EINECS. 236-675-5

CAS. 557-05-1 zinc distearate pure 2.5-10%
EINECS. 209-151-9

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

* **3 Hazard identification**

· **Hazard description:** not applicable

· **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

· **Classification system**

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

4 First aid measures

· **General information** No special measures required

· **After inhalation** Supply fresh air

· **After skin contact** Rinse with warm water

· **After eye contact** Rinse opened eye for several minutes under running water

· **After swallowing** Seek medical treatment

* **5 Fire fighting measures**

· **Suitable extinguishing agents**

CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam

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Protective equipment: No special measures required

* **6 Accidental release measures**

- *Person-related safety precautions: Not required*
- *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*
 - Do not allow to enter sewers/ surface or ground water*
- *Measures for cleaning/collecting: Pick up mechanically*
- *Additional information: No dangerous substances are released.*

* **7 Handling and storage**

- *Handling*
 - Information for safe handling:*
 - Provide suction extractors if dust is formed*
 - 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: None.*

* **8 Exposure controls and personal protection gear**

Additional information about design of technical facilities: No further data, see item 7

Ingredients with limit values that require monitoring at the workplace:

1314-23-4 zirconium dioxide

OES Short-term value 10 mg/m³

Long-term value 5 mg/m³

as Zr

13463-67-7 titanium dioxide

OES Long-term value 10* 4** mg/m³

*total inhalable dust **respirable dust

557-05-1 zinc distearate, pure

OES Short-term value 20* mg/m³

Long-term value 10* 4** mg/m³

*total inhalable dust **respirable dust

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: 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

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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. 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: Not required

* **9 Physical and chemical properties:**

General Information

Form: Powder
Colour: Whitish
Odour: Characteristic

Change in condition

Melting point/Melting range: undetermined
Boiling point/Boiling range: undetermined

Flash point: Not applicable

Ignition temperature: 420.0°C

Self-igniting: Product is not selfigniting

Danger of explosion: Product does not present an explosion hazard

Density at 20°C: 4.50 g/cm³

Solubility in / Miscibility with

Water: Insoluble

Solvent content:

Organic solvents: 0.0 %

Solids content: 100.0 %

* **10 Stability and reactivity**

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known

Dangerous decomposition products: No dangerous decomposition products known

* **11 Toxicological information**

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 the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version

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When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us

12 Ecological information:

General notes:

At present there are no ecotoxicological assessments
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.

* 13 Disposal considerations

Product:

Recommendation

Disposal must be made according to official regulations
Can be disposed of within household waste

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

* 14 Transport information

Land transport ADR/RID (cross-border)

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Air transport ICAO-T1 and IATA-DGR:

ICAO/IATA Class: -

* 15 Regulations

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).

Safety phrases:

29 Do not empty into drains

National regulations

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

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

* Data compared to the previous version altered.

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SPILLS • EXPOSURES • POISONINGS	800-451-8346 or 760-602-8703
MSDS	INFO TO HAVE WHEN CALLING:
	• Product Name & Number • Manufacturer Name • Manufacturer Phone Number • UPC Code
MATERIAL SAFETY DATA SHEETS	24 HOURS A DAY 7 DAYS A WEEK 365 DAYS A YEAR
	34-7-346 3E COMPANY CALL INFORMATION & COMPLIANCE EXPERTS