

Material Safety Data Sheet
According to 91/155 EEC

Page 1/4

MSDS-0627
Rev: B
6-20-06

Printing date 09.12.2005

Reviewed on 15.06.2005

1 Identification of substance:

Product details:

Trade name: VITA In-Ceram Classic ZIRCONIA Powder

Article number: HZP300

Vident Part Number: V98-126

Manufacturer/Supplier:

VITA Zahnfabrik

H Rauter GmbH & Co KG

Postfach 1338

D 79704 Bad Säckingen

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

Distributed By:

Vident

3150 E. Birch St.

Brea, CA 92821

Phone: 714-961-6200

Fax: 714-961-6299

Emergency Contact Info.

For U.S. and Canada: See last page

Tel ++49/(0)7761/562-0

Fax ++49/(0)7761/562299

2 Composition/Data on components:

Chemical characterization

Description: Mixture of aluminium oxide and zirconium oxide

Dangerous components:

CAS: 1344-28-1 aluminium oxide

50-100%

EINECS: 215-691-6

CAS: 1314-23-4 zirconium dioxide

25-50%

EINECS: 215-227-2

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

Protective equipment: No special measures required.

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(Contd of page 1)

* **6 Accidental release measures**

Person-related safety precautions:

Use respiratory protective device against the effects of fumes/dust/aerosol

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

Prevent formation of dust

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:****1344-28-1 aluminium oxide**OEL 10 mg/m³**1314-23-4 zirconium dioxide**OEL Short-term value 10 mg/m³Long-term value 5 mg/m³

as Zr

Additional information: The lists valid during the making were used as basis**Personal protective equipment****General protective and hygienic measures** Do not inhale dust**Respiratory protection:**

Not necessary if room is well-ventilated

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure

use self-contained respiratory protective device

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

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

(Contd on page 3)

GB

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(Contd of page 2)

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 protection: Not required

9 Physical and chemical properties:
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General Information

Form:	Powder
Colour:	Whitish
Odour:	Odourless

Change in condition

Melting point/Melting range: ca 2000-2700°C

Boiling point/Boiling range: undetermined

Flash point: Not applicable

Self-igniting: Product is not selfigniting

Danger of explosion: Product does not present an explosion hazard

Density at 20°C: 3.241 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

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

(Contd on page 4)

GB

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(Contd of page 3)

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

- **Maritime transport IMDG:**
- **Marine pollutant:** No

* **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

MSDS

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