

**Material Safety Data Sheet**  
According to 91/155 EEC

Printing date 09 12 2005

Reviewed on 12.02.2004

**1 Identification of substance:**

*Product details:*

*Trade name:* **VITA In-Ceram ALUMINA OPTIMIZER**

*Article number:* BAO10 **Vident Part Number: V54-020**

*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**

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**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:* Preparation containing aluminium oxide and waxes

*Dangerous components:* Void

**3 Hazard identification**

*Hazard description:* not applicable

*Information concerning to particular hazards to man and environment:* not applicable

*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:* Immediately wash with water and soap and rinse thoroughly

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

*After swallowing:* If symptoms persist consult doctor

**5 Fire fighting measures**

*Suitable extinguishing agents:* Use fire extinguishing methods suitable to surrounding conditions

*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

*Measures for cleaning/collecting:* Pick up mechanically

*Additional information:* No dangerous substances are released

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**MSDS-1304**  
**Rev: A**  
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(Contd. of page 1)

### 7 Handling and storage

**Handling***Information for safe handling: 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:**1344-28-1 aluminium oxide**OEL: 10 mg/m<sup>3</sup>**8002-74-2 Paraffin waxes and Hydrocarbon waxes**OEL: Short-term value 6 mg/m<sup>3</sup>**Long-term value 2 mg/m<sup>3</sup>**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:****Material of gloves -****Penetration time of glove material -****Eye protection:** *Not required*

### 9 Physical and chemical properties:

**General Information**

<b>Form:</b>	<i>Solid</i>
<b>Colour:</b>	<i>Blue</i>
<b>Odour:</b>	<i>Odourless</i>

**Change in condition****Melting point/Melting range:** *133-148°C***Boiling point/Boiling range:** *315°C***Flash point:** *220°C***Ignition temperature:** *300°C***Self-igniting:** *Product is not selfigniting***Danger of explosion:** *Product does not present an explosion hazard***Density:** *Not determined***Solubility in / Miscibility with****Water:** *Insoluble***Solvent content:****Organic solvents:** *0.0 %*

(Contd. on page 3)

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(Contd. of page 2)

Solids content: &gt;80 %

**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  
Do not allow product to reach ground water, water course or sewage system

**13 Disposal considerations**

- **Product:**  
**Recommendation:** Disposal must be made according to official regulations
- **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

(Contd. on page 4)

GB

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(Contd. of page 3)

*National regulations*

*Waterhazard class: undetermined*

**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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