

Material Safety Data Sheet
According to 91/155 EC

Printing date 20 11 2003

Reviewed on 10 04 2002

1 Identification of substance:

Product details:

Trade name: VITADUR ALPHA Ceramics

Article number: B1 and BA

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

Vident Part Numbers: See Section 17

Emergency Contact Info.

For U.S. and Canada: See last page

Distributed By:

Vident

3150 E. Birch St.

Brea, CA 92821

Phone: 714-961-6200

Fax: 714-961-6299

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

Fax ++49/(0)7761/562299

2 Composition/Data on components:

Chemical characterization:

CAS No. Description:

Glass frits, melted-in metal oxides

Identification number(s):

3 Hazard identification

Hazard description: not applicable

Information concerning to particular hazards to man and environment not applicable

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 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: No special measures required

Measures for cleaning/collecting: Pick up mechanically

Additional information: No dangerous substances are released

7 Handling and storage

Handling

Information for safe handling:

Prevent formation of dust

Provide suction extractors if dust is formed.

Information about fire - and explosion protection: No special measures required

(Contd. on page 2)

GB

Material Safety Data Sheet
According to 91/155 EC

MSDS-0530
Rev: D
10-14-06

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(Contd. of page 1)

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:

Glass frits

OEL Long-term value 10 mg/m³

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: Use suitable respiratory protective device in case of insufficient ventilation

Protection of hands:



Protective gloves

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 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:** According to product specification
- Odour:** Odourless

Change in condition

- Melting point/Melting range:** undetermined
- Boiling point/Boiling range:** undetermined

Flash point: Not applicable

Flammability (solid, gaseous) Product is not flammable

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

Density: Not determined

Solubility in / Miscibility with

- Water:** Insoluble
- 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

(Contd. on page 3)

GB

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(Contd. of page 2)

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:

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

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:

The substance is not subject to classification according to EU lists and other sources of literature known to us

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

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.

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17. Product Identification/Vident Part Numbers

Vident Product Names: Vitadur Alpha Dentin Opalescent Enamel, Core, Opacious Dentin, Dentin Modifiers, Corrective Opalescent Translucent, Cervical, Intensive, Transparent, Luminaries and Opal Translucent Porcelain Powders

Vident Part Numbers:

N57-051	N58-051	N59-051	N57-091	N58-091	N57-1001	N57-1151
N57-052	N58-052	N59-052	N57-092	N58-092	N57-1002	N57-1152
N57-053	N58-053	N59-053	N57-093	N58-093	N57-1003	N57-1153
N57-054	N58-054	N59-054	N57-094	N58-094	N57-1004	
N57-055	N58-055	N59-055			N57-1005	
N57-056	N58-056	N59-056			N57-1006	N57-1161
N57-057	N58-057	N59-057	N57-111	N58-111	N57-1007	N57-1162
N57-058	N58-058	N59-058	N57-112	N58-112	N57-1008	N57-1163
N57-059	N58-059	N59-059	N57-113	N58-113	N57-1009	N57-1164
N57-060	N58-060	N59-060	N57-114	N58-114	N57-1010	N57-1165
N57-061	N58-061	N59-061	N57-115	N58-115	N57-1011	N57-1166
N57-062	N58-062	N59-062	N57-116	N58-116	N57-1012	
N57-063	N58-063	N59-063	N57-117	N58-117	N57-1013	
N57-064	N58-064	N59-064	N57-118	N58-118	N57-1014	N57-010
N57-065	N58-065	N59-065	N57-119	N58-119	N57-1015	
N57-066	N58-066	N59-066	N57-120	N58-120	N57-1016	
N57-081	N58-081	N59-081	N57-031	N58-031	N59-031	
N57-082	N58-082	N59-082	N57-032	N58-032	N59-032	
N57-083	N58-083	N59-083	N57-033	N58-033	N59-033	
N57-084	N58-084	N59-084	N57-034	N58-034	N59-034	
N57-085	N58-085	N59-085	N57-035	N58-035	N59-035	
N57-086	N58-086	N59-086	N57-036	N58-036	N59-036	
N57-087	N58-087	N59-087	N57-037	N58-037	N59-037	
N57-088	N58-088	N59-088	N57-038	N58-038	N59-038	
N57-089	N58-089	N59-089	N57-039	N58-039	N59-039	
			N57-040	N58-040	N59-040	
			N57-041	N58-041	N59-041	
N57-131	N58-131		N57-042	N58-042	N59-042	
N57-132	N58-132		N57-043	N58-043	N59-043	
N57-133	N58-133		N57-044	N58-044	N59-044	
N57-134	N58-134		N57-045	N58-045	N59-045	
N57-135	N58-135		N57-046	N58-046	N59-046	
N57-136	N58-136					
N57-137	N58-137					
			N57-121	N58-121		
			N57-122	N58-122		

SPILLS • EXPOSURES • POISONINGS

800-451-8346 or 760-602-8703

MSDS

MATERIAL SAFETY DATA SHEETS

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

SAFETY
 SP COMPANY
 OSHA Approved & Compliant Service