

Material Safety Data Sheet
According to 91/155 EC

Printing date 17 11 2003

Reviewed on 17 11 2003

1 Identification of substance:

Product details:

Trade name: VITA LUMIN VACUUM Gold-clad Teeth

Article number: A1 **Vident Part Numbers:** See Section 17

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

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:

Product: ceramic solid containing modified feldspar frits and inorganic pigments molten in feldspar matrix

Fixation: gold-plated nickel pin, soldered into palladium sleeve

Identification number(s):

3 Hazard identification

Hazard description:

not applicable

Void

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. 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

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.

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

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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: Not required**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***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:	Solid
Colour:	Different according to colouring
Odour:	Odourless

Change in condition*Melting point/Melting range: Firing temperature approx 1200°C.**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 %

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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:

LD/LC50 values relevant for classification:

Oral LD50 7060 mg/kg (rat)

Inhalative LC50/4 h 20000 mg/l (rat)

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

The substance is not subject to classification according to the latest version of the EU lists.

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

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)

Safety phrases:

29 Do not empty into drains

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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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17. Product Identification/Vident Part Numbers

Vident Product Name: VITA LUMIN VACUUM DENTURE TEETH - GOLD-CLAD

Vident Part Numbers:

TL**-180U	TL**-514	TL**-636	TL**-751
TL**-180L	TL**-522	TL**-637	TL**-773
TL**-182	TL**-524	TL**-638	TL**-843
TL**-183	TL**-532	TL**-722	TL**-851
TL**-185	TL**-565	TL**-732	TL**-854
TL**-187U	TL**-612	TL**-734	TL**-943
TL**-187L	TL**-613	TL**-735	TL**-992
TL**-190	TL**-622	TL**-737	TL**-L42
TL**-194	TL**-627	TL**-742	TL**-Z20
TL**-334	TL**-632	TL**-743	TL**-Z42
TL**-513	TL**-634	TL**-745	

Lumin Vac Teeth are available in the following Classical shades:

A1, A2, A3, A3.5, A4, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4

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MSDS

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- Manufacturer Phone Number
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