

Material Safety Data Sheet
According to 91/155 EC

Printing date 08.02.99

Reviewed on 04.02.99

<p>1 Identification of substance:</p> <ul style="list-style-type: none"> • Product details: • Trade name: <u>VITA CELAY ZIRCONIA BLANKS</u> • Manufacturer/Supplier: VITA Zahnfabrik H. Rauter GmbH & Co. KG • Information in case of emergency: Productmanagement 	<p>Distributed By: Vident 3150 E. Birch Street Brea, CA 92821</p> <p>Vident P/N: V54-101 & V54-102</p> <p>Tel.: ..49/7761/562-0 Fax.: ..49/7761/63 89</p>
<p>2 Composition/Data on components:</p> <ul style="list-style-type: none"> • Chemical characterization: <u>CAS No. Description:</u> Product: ceramic solid-state body containing aluminium oxide and zirconium oxide. Aluminium-anodized attachment. • Identification number(s): . 	
<p>3 Hazard identification</p> <ul style="list-style-type: none"> • Hazard description: not applicable • Information concerning to particular hazards to man and environment not applicable 	
<p>4 First aid measures</p> <ul style="list-style-type: none"> • General information No special measures required. • After skin contact Generally the product does not irritate the skin. 	
<p>5 Fire fighting measures</p> <ul style="list-style-type: none"> • Suitable extinguishing agents Use fire extinguishing methods suitable to surrounding conditions. • Protective equipment: No special measures required. 	
<p>6 Accidental release measures</p> <ul style="list-style-type: none"> • 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. 	
<p>7 Handling and storage</p> <ul style="list-style-type: none"> • 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. • Storage class 	

(Contd. on page 2)

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(Contd. of page 1)																																															
<ul style="list-style-type: none"> • Class according to regulation on flammable liquids: Void 																																															
8 Exposure controls and personal protection gear																																															
<ul style="list-style-type: none"> • Additional information about design of technical facilities: No further data; see item 7. <p><u>Ingredients with limit values that require monitoring at the workplace:</u> Not required.</p> <ul style="list-style-type: none"> • Additional information: The lists valid during the making were used as basis. • Personal protective equipment • Respiratory protection: Not required. • Protection of hands: Not required. • Eye protection: Not required. 																																															
9 Physical and chemical properties:																																															
<ul style="list-style-type: none"> • Form: Solid. • Colour: Whitish • Odour: Odourless • <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="text-align: center; border-bottom: 1px solid black;">Value/Range</th> <th style="text-align: center; border-bottom: 1px solid black;">Unit</th> <th style="text-align: center; border-bottom: 1px solid black;">Method</th> </tr> </thead> <tbody> <tr> <td>• Change in condition</td> <td></td> <td></td> <td></td> </tr> <tr> <td>• Melting point/Melting range:</td> <td>ca. 2000-2700</td> <td>° C</td> <td></td> </tr> <tr> <td>• Boiling point/Boiling range:</td> <td>undetermined</td> <td></td> <td></td> </tr> <tr> <td>• Flash point:</td> <td>Not applicable</td> <td></td> <td></td> </tr> <tr> <td>• Flammability (solid, gaseous)</td> <td>Product is not flammable.</td> <td></td> <td></td> </tr> <tr> <td>• Danger of explosion: Product does not present an explosion hazard.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>• Density:</td> <td>Not determined</td> <td></td> <td></td> </tr> <tr> <td>• Solubility in / Miscibility with</td> <td></td> <td></td> <td></td> </tr> <tr> <td>• Water:</td> <td>Insoluble</td> <td></td> <td></td> </tr> <tr> <td>• Organic solvents:</td> <td></td> <td>0.0 %</td> <td></td> </tr> </tbody> </table>					Value/Range	Unit	Method	• Change in condition				• Melting point/Melting range:	ca. 2000-2700	° 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 %	
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10 Stability and reactivity																																															
<ul style="list-style-type: none"> • 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																																															
<ul style="list-style-type: none"> • Acute toxicity: • Primary irritant effect: on the skin: No irritant effect. • 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. 																																															

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12 <u>Ecological information:</u> <ul style="list-style-type: none">• General notes: Water hazard class 0 (German Regulation) (Self-assessment): generally not hazardous for water.
13 <u>Disposal considerations</u> <ul style="list-style-type: none">• Product:• Recommendation Smaller quantities can be disposed of with household waste.• Uncleaned packaging:• Recommendation: Disposal must be made according to official regulations.
14 <u>Transport information</u> <ul style="list-style-type: none">• Maritime transport IMDG:• Marine pollutant: No
15 <u>Regulations</u> <ul style="list-style-type: none">• Labelling according to EU guidelines: The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).• National regulations• Classification according to VbF: Void• Waterhazard class: Water hazard class 0 (Self-assessment): generally not hazardous for water.
16 <u>Other information:</u> <p>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.</p>

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