

# **MATERIAL SAFETY DATA SHEET**

This safety data sheet has been prepared in accordance with the requirements of EC Directive 91/155/EEG (and other related directives), and provides information relating to the safe handling and use of the product.

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## **1 IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY**

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Product code:	Ceramic bracket to be bonded on teeth
Trade name:	Freddy ceramic button
Manufacturer/Supplier:	Gestenco International AB
Address:	P.O. Box 24067 SE-400 22 Gothenburg Sweden
Emergency Phone Number:	+46 31 81 00 35
Fax Number:	+46 31 81 46 55
E-mail:	info@gestenco.com

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## **2 HAZARD IDENTIFICATION**

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None

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## **3 COMPOSITION / INFORMATION ON INGREDIENTS**

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Alumina	$\geq 99.5\%$
Magnesium Oxide	$\leq 0.3\%$
Silicone Dioxide	$\leq 0.1\%$

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## **4 FIRST AID MEASURES**

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- 4.1 Inhalation: Move person to fresh air, consult a physician
- 4.2 Skin Contact: Prolonged contact may cause irritations in sensitized persons.
- 4.3 Eye Contact: Flush thoroughly with water, consult a physician.
- 4.4 Ingestion: While ingestion of large enough quantities to cause health effects is unlikely, Consult a physician.

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## **5 FIRE-FIGHTING MEASURES**

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- 5.1 Suitable Extinguishing Media: N/A
- 5.2 Unsuitable Extinguishing Media: N/A
- 5.3 Particular Hazards: None
- 5.4 Protective Equipment for Fire-Fighters: N/A

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## **6 ACCIDENTAL RELEASE MEASURES**

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6.1 Personal Precautions: N/A

6.2 Environmental Precautions: N/A

6.3 Cleaning Methods: N/A

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## **7 HANDLING AND STORAGE**

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7.1 Handling: N/A

7.2 Storage: N/A

7.3 Storage Conditions: N/A

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## **8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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N/A

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## **9 PHYSICAL AND CHEMICAL PROPERTIES**

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9.1 Form: Solid

Color:

Odor: Odorless

9.2 Change of State:

Melting Point/Range: 1950° C

Boiling Point: high

9.3 Flash Point:

9.4 Ignition Point: N/A

9.5 Vapor Pressure (20°C)

9.6 Density (20°C)

9.7 Solubility in: Water (20°C): insoluble

Organic Solvent (20°C):

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## **9 PHYSICAL AND CHEMICAL PROPERTIES (continued)**

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9.8 PH-Value (at 10g/1H<sub>2</sub>O)

9.9 Viscosity (20°C)

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## **10 STABILITY AND REACTIVITY**

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10.1 Thermal Decomposition: Stable

10.2 Conditions to Avoid: N/A

10.3 Materials to Avoid: N/A

10.4 Hazardous Decomposition Products: N/A

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## **11 TOXICOLOGICAL INFORMATION**

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11.1 Oral Toxicity: Not available

11.2 Inhalation: Not available

11.3 Skin irritation: Not available

11.4 Sensitization: Not available

11.5 Eye Irritation: Not available

11.6 Further Details:

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## **12 ECOLOGICAL INFORMATION**

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12.1 Acute Toxicity in Fish (LC-50/48h)

12.2 Bacteria Toxicity (EC-0)

12.3 Biodegradability:

12.4 Further Details:

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## **13 DISPOSAL CONSIDERATIONS**

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13.1 Product: Dispose of in accordance with local, state, and federal regulations

13.2 Packaging: Dispose of in accordance with local, state and federal regulations

13.3 Waste Dispose Code: Dispose of in accordance with local, state, and federal regulations

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## **14 TRANSPORT INFORMATION**

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14.1 Overland Transport ADR/RID/GGVS/GGVE:

14.2 Sea Transport GGVSEA/IMDG-Code:

14.3 Air Transport ICAO/IATA-DGR:

14.4 Inland Waterway Transport ADNR:

14.5 Further Details:

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## **15 REGULATORY INFORMATION**

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Preparation as defined by the (German) Chemicals Act (dated 4/03/1990)

15.1 Labeling:

Product Contains:

Danger Symbol:

R-Sentences R36/37/38:

S-Sentences S26:

S-Sentences S28:

15.2 National Regulation:

VbF:

TA-Air:

Water Pollution 1:

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## **16      OTHER INFORMATION**

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Further information may be obtained from:

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SE - 400 22 Gothenburg  
Sweden  
Tel: +46 31 81 00 35  
Fax: +46 31 81 46 55  
E-mail: [info@gestenco.com](mailto:info@gestenco.com)

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Göran Steen, January 1, 2015