

EG-MATERIAL SAFETY DATA SHEET



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replaced copy from: 16.02.2012

according to 1907/2006 (REACH)

Date of issue: 13-Mar-12

Hinriplast BioStar

1. Identification of the Substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: Hinriplast BioStar
Company / Manufacturer: ERNST HINRICHS GmbH
Borsigstr. 1
D - 38644 Goslar
0 53 21 / 5 06 24
0 53 21 / 5 08 81
info@hinrichs-dental.de / www.hinrichs-dental.de

2. Composition / Information on Ingredients:

2.1 Chemical characteristic: Calcium sulphate hemihydrates.

3. Hazards Identification:

3.1 Description of dangers: None
3.2 Special dangers for human and environment: -

4. First aid measures:

4.1 If eye contact: Rinse out thoroughly with the eye lid open for several minutes.
4.2 If skin contact: Wash off with water.
4.3 If substance has been inhaled: Supply fresh air.
4.4 If swallowed: Rinse mouth out thoroughly and drink plenty of water. If discomfort persists, consult a doctor.

5. Fire Fighting measures:

5.1 Suitable extinguishing agents: Choose fire fighting measures according to the environment.
The product itself is not combustible.
CO₂, extinguishing powder or full water jet.
Fight large fires with foam.
5.2 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: None.
5.3 Special protective equipment for fire-fighters: No special measures required.

6. Accidental release measures:

6.1 Person-related safety precautions: Avoid dust formation. Personal protective clothing.
6.2 Measures for environmental protection: No special measures required.
6.3 Measures for cleaning / collecting: Pick-up mechanically.
6.4 Additional information: Further information according to personal protective equipment - see section 8.

7. Handling and Storage:

7.1 Handling:
Information for safe handling: In case of dust formations provide exhaust ventilation.
Information about protection against explosions and fires: Product is not combustible.
7.2 Storage:
Requirements to be met by storerooms and containers: No special measures required.
Information about storage in one common storage facility: Not necessary.
Further information about storage conditions: Keep container tightly sealed.

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8. Exposure controls / Personal protection:

8.1	Components with occupational exposure limits which require monitoring: Additional information:	<u>Description - limit value (TRGS900)</u> CaSO ₄ * 0,5 H ₂ O MAK 6Fmg/m ³ (counts only for fine dust) The lists that were valid during compilation were used as a basis.
8.2	Personal protective equipment: General health and safety measures:	The usual precautionary measures should be adhered to in handling the chemicals.
	Respiratory protection:	Temporary respiratory device with filter P1
	Hand protection:	Not necessary.

9. Physical and chemical properties:

9.1	Appearance:	
	Form:	Solid
	Odour:	Odourless
	Colour:	Ivory
9.2	Change of condition:	
	Melting point / melting range:	1400°C
	Flashpoint:	-
	Danger of explosion:	-
	Density at 20°C:	2,6 g/m ³
	Bulk density at 20°C:	1100 - 1200 kg/m ³
	Solubility in / miscible with water at 20°C:	2 g/l
	pH-value:	4 - Suspension

10. Stability and Reactivity:

10.1	Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
10.2	Materials to be avoided:	None.
10.3	Dangerous reactions:	No reactions known.
10.4	Dangerous decomposition products:	Sulphur trioxide (So3) or So3-mist

11. Toxicological Information:

11.1	Acute toxicity: Primary irritant effect: On the skin: On the eye: Sensitisation:	- Slightly irritating. No sensitizing effect known.
11.2	Additional toxicological information:	According to our experience and our information the product does not have any harmful effects when used and handled according to specifications. The substance does not have to be labelled according to the EC-lists in the last valid version.

12. Ecological Information:

12.1	Information about elimination (persistence and degradability):	-
12.2	Other information:	Inorganic salts are not biodegradable.
12.3	General information:	Water hazard class 0: Generally not hazardous to water.

13. Disposal Considerations:

13.1	Product:	Dispose according to local regulations.
	Packaging:	Dispose of packaging according to regulations on the disposal of packaging.

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14. Transport Information:

14.1 This product is not subject to the regulations for the transport of dangerous goods.

15. Regulatory Information:

15.1 Labelling according to EC-regulations: The usual precautionary measures should be adhered to in handling the chemicals. The substance does not have to be labelled according to EC-regulations.

15.2 Water hazard class. 0 - Generally not hazardous to water.

16. Further Information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
