



According to 1907/2006 (REACH)

Date of issue: 18.11.2015

Splint Plus BioStar

1. Identification of the substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: Splint Plus BioStar

Company / Manufacturer: ERNST HINRICHS Dental 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:

Polycarbonate (PC): 100 wt. %

3. Hazards Identification:

No classification

4. First aid measures:

- 4.1 Inhalation: Bring into fresh air and drink a lot of water. Contact a doctor if discomfort continues
- 4.2 Skin contact: Wash thoroughly with cold water and soap. Consult a doctor should skin irritation occur.
- 4.3 Eye contact: Wash out immediately with copious amounts of cool water. Consult a doctor if irritation persists.
- 4.4 Swallowing: Consult a doctor if allergic discomfort continues.

5. Fire Fighting measures:

- 5.1 Suitable extinguishing agent: Carbon dioxide (CO₂), extinguishing powder, foam, water
- 5.2 Unsuitable extinguishing agent: Unknown
- 5.3 Special risks: Exposes traces out of hydrocyanic acid, carbon monoxide, carbon dioxide and nitrogen oxide occur in case of fire. Do not inhalation fire and explosive gases.
- 5.4 Special protective equipment for firefighting: Wear respiratory protective equipment independent of ambient air in case of fire.
- 5.5 Additional instructions: Prevent extinguishing water from penetration surface water or the ground water system

6. Accidental release measures:

- 6.1 Personal precautionary measures: Use personal protective equipment.
- 6.2 Environmental protection measures: Prevent from penetrating surface water or the sewer system.
- 6.3 Cleaning procedure: Pick up mechanically, avoid dust formation, fill into labelled, closable containers.

7. Handling and Storage:

- 7.1 Handling: This product should only be handled by trained personnel. Ensure that
 - dust formation and dust deposits are avoided
 - occupational exposure limits (OEL) and / or other limit values are observed
- 7.2 Storage: Ensure that the blanks:
 - are stored dry and protected from light in their original packaging
 - are not exposed to blows or severe vibration
 - do not come into contact with liquid: observe water directives
 - are not contaminated
 - are stored between 5°C and 50°C.



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- 7.3 Instructions for common storage: Adhere to VCI storage system rules
- 7.4 VCI storage class: 11, flammable solids
- 7.5 Specific usage: Splint plus BioStar are transparent dental milling blanks out of polycarbonate for the manufacture of splints, therapeutic splints, bite governors and drilling templates for short-term application in the oral cavity up to 30 days.

8. Exposure controls / Personal protection:

- 8.1 Exposure limits: Unknown
- 8.2 Personal protective equipment
 - Respiratory protection: Respiratory protection with particle filter EN 143
 - Hand protection: Glove materials EN 374-3
Polyvinyl chloride (PVC): Thickness ≥ 0.5 mm
 - Eye protection: Wear safety glasses during grinding work.
 - Body protection: Protective clothing
 - General protective measures: The precautionary measures usual when handling chemicals should be observed. Store working clothes separately

9. Physical and chemical properties:

- 9.1 General information
 - Appearance: Industrially-manufactured solid
 - Colour: Crystal clear (transparent)
 - Odour: Odourless
- 9.2 Important information regarding health and environmental protection and safety
 - pH value: No data available
 - Explosion limits: No data available
 - Self-flammability: No data available
 - Ignition temperature: > 450 °C
 - Bulk density: 600-700 kg/m³
 - Solubility: Water insoluble

10. Stability and Reactivity:

- 10.1 Conditions to be avoided: None known
- 10.2 Substances to be avoided: None known
- 10.3 Hazardous degradation products: Toxic gas mixtures with mainly CO and CO₂ develop at incomplete combustion or carbonization.
- 10.4 Thermal degradation: There can be harmful gases and vapours in case of fire or overheating e.g. improper processing.

11. Toxicological Information:

Toxicological information not available

12. Ecological Information:

- 12.1 Ecotoxicity: The product is insoluble in water. No ecological problems should be expected if handled and used correctly.
- 12.2 Mobility: Not applicable
- 12.3 Persistence and degradability: The product is not easily biodegradable.
- 12.4 Bioaccumulation potential: Unknown
- 12.5 Other harmful effects: Unknown

13. Disposal Considerations:

- 13.1 Product: Disposal should conform to federal/national and local regulations
- 13.2 Packaging: Non-contaminated and cleaned packaging can be recycled



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14. Transport Information:

- | | |
|---|-------------------------|
| 14.1 Land transportation ADR/RID: | Not hazardous substance |
| 14.2 Air transportation ICAO-TI/IATA-DGR: | Not hazardous substance |
| 14.3 Sea transportation: | Not hazardous substance |

15. Regulatory Information:

- | | |
|---|---|
| 15.1 Labelling in compliance with EU Directive: | |
| Rule 2006/121/EC: | No subject to mandatory labelling |
| Rule 1999/45/EC: | No subject to mandatory labelling |
| 15.2 National regulations: | Water pollution class nwg (not hazardous to water) according to annex 1 VwVwS |

16. Further Information:

Information in this safety data sheet is based on the current state of knowledge and experience. The safety data sheet describes products with regard to safety requirements. However, these specifications are no guarantee of product characteristics and do not establish any contractually-legal relationship. The information is designed to provide you with a guide to safe handling of products mentioned in the safety data sheet during storage, transportation, processing and disposal. Insofar as the product named in this safety data sheet is blended, mixed or processed with other materials, or subject to processing, the information in this safety data sheet cannot be transferred to the new material manufactured in this manner, provided nothing else is expressly achieved from this. The information does not have the importance of statements of condition, assurances of certain characteristics or guarantees.