



**Splint PMMA BioStar**

**1. Identification of the substance / Preparation and Company:**

- 1.1 Product identifier:  
 Commercial product name: Splint PMMA BioStar
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
 Use of the substance/mixture: Splint PMMA BioStar are transparent dental milling blanks out of PMMA for the manufacture of splints, therapeutic splints, bite regulators and drilling templates for long-term application in the oral cavity up to 12 months..  
 Uses advised against: No information available.
- 1.3 Details of the supplier of the safety data sheet  
 Manufacturer/Supplier: ERNST HINRICHS Dental GmbH  
 Street / mailbox: Borsigstr. 1  
 Country code. / postal code / city: D - 38644 Goslar  
 Phone: 0 53 21 / 5 06 24  
 Fax: 0 53 21 / 5 08 81  
 E-mail / Website: [info@hinrichs-dental.de](mailto:info@hinrichs-dental.de) / [www.hinrichs-dental.de](http://www.hinrichs-dental.de)
- 1.4 Further information obtainable from: ERNST HINRICHS Dental GmbH  
 Emergency telephone number  
 ERNST HINRICHS Dental GmbH: +49 (0) 53 21 / 5 06 24 - 25 (Mon-Fri. 8 a.m. – 4 p.m.)

**2. Composition / Information on Ingredients:**

- 2.1 Classification of the substance or mixture  
 Regulation (EC) No. 1272/2008: This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.
- 2.2 Label Elements
- 2.3 Other hazards: No information available.

**3. Hazards Identification:**

- 3.2 Mixtures  
 Chemical characterization: No information available.  
 Further Information: No information available

**4. First aid measures:**

- 4.1 Description of first aid measures
- After inhalation: Remove person to fresh air and keep comfortable for breathing. In case of respiratory tract irritation, consult a physician.
- After contact with skin: After contact with skin, wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
- After contact with eyes: Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.
- After ingestion: IF SWALLOWED: Call a doctor if you feel unwell.
- 4.2 Most important symptoms and effects, both acute and delayed: No information available.
- 4.3 Indication of any immediate medical attention and special treatment needed: No information available.

**5. Fire Fighting measures:**

- 5.1 Extinguishing media  
 Suitable extinguishing agent: Dry extinguishing powder. Carbon dioxide (CO2). Alcohol resistant foam. Water spray jet.  
 Unsuitable extinguishing media: High power water jet.
- 5.2 Special hazards arising from the substance or mixture: In case of fire may be liberated: Gases/vapours, irritant: Methyl acrylate, Methyl methacrylate.  
 Do not inhale explosion and combustion gases.





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Colour:		
Odour:	odourless	
		Test method
pH-Value:	not determined	
Changes in the physical state		
Melting point:	not determined	
Initial boiling point and boiling range:	not determined	
Sublimation point:	not determined	
Softening point:	not determined	
Pour point:	not determined	
Flash point:	not applicable	
Flammability		
Solid:	not applicable	
Gas:	not applicable	
Explosive properties:	not explosive according to EU A.14	
Lower explosion limits:	not applicable	
Upper explosion limits:	not applicable	
Auto-ignition temperature		
Solid:	not determined	
Gas:	not determined	
Decomposition temperature:	not determined	
Oxidizing properties:	Not oxidizing.	
Vapour pressure:	not determined	
Density:	not determined	
Bulk density:	not determined	
Water solubility:	insoluble	
Solubility in other solvents:	No information available.	
Partition coefficient:	not applicable	
Viscosity/dynamic:	not determined	
Vapour density:	not determined	
Evaporation rate:	not determined	
9.2 Other information:	No information available.	

**10. Stability and Reactivity:**

10.1 Reactivity:	No information available.
10.2 Chemical stability:	No information available.
10.3 Possibility of hazardous reactions:	In case of fire may be liberated: Gases/vapours, harmful.
10.4 Conditions to avoid:	No information available.
10.5 Incompatible materials:	No information available.
10.6 Hazardous decomposition products:	Carbon dioxide (CO <sub>2</sub> ), CO

**11. Toxicological Information:**

11.1 Information on toxicological effects	
Toxicokinetics, metabolism and distribution:	No information available.
Acute toxicity:	Based on available data, the classification criteria are not met.
Irritation and corrosivity:	Based on available data, the classification criteria are not met.
Sensitising effects:	Based on available data, the classification criteria are not met.
Carcinogenic/mutagenic/toxic effects for reproduction:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.



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**12. Ecological Information:**

12.1 Toxicity:	No information available.
12.2 Persistence and degradability:	The product is: Not readily biodegradable (according to OECD criteria).
12.3 Bioaccumulative potential:	No information available.
12.4 Mobility in soil:	No information available.
12.5 Results of PBT and vPvB assessment:	The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
12.6 Other adverse effects:	No information available.

**13. Disposal Considerations:**

13.1 Waste treatment methods	
Advice on disposal:	Dispose of waste according to applicable legislation.
Contaminated packaging:	Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

**14. Transport Information:**

**Land transport (ADR/RID)**

14.1 UN number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

14.1 UN number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

14.1 UN number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.

**Air transport (ICAO)**

14.1 UN number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.

14.5 Environmental hazards	
ENVIRONMENTALLY HAZARDOUS:	No
14.6 Special precautions for user:	No dangerous good in sense of this transport regulation.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	No dangerous good in sense of this transport regulation.

**15. Regulatory Information:**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
National regulatory information	
Water contaminating class (D):	- - not water contaminating
15.2 Chemical safety assessment:	Chemical safety assessments for substances in this mixture were not carried out.



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**16. Further Information:**

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Abbreviations and acronyms

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Règlement international conernat le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
CLP:	Regulation on Classification, Labelling and Packaging of Substances and Mixtures,
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
EC50:	Effective concentration, 50 percent
DNEL:	Derived No Effect Level
PNEC:	Predicted No Effect Concentration
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material