



according to 91/155/EEC
Date of issue: 20.06.2013
Revision date: 25.07.2022

Version number: 003

Printing date: 20.04.2023

PMMA BioStar**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1 Product identifier**
identification of substance: polymethylmetacrylate
Tradename: PMMA BioStar
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Use of the Substance/Mixture: PMMA blanks for dental casting technique
- 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: DE - 38644 Goslar
Phone: +49 (0) 53 21 / 5 06 24
Fax: 0 53 21 / 5 08 81
E-mail / Website: info@hinrichs-dental.de / www.hinrichs-dental.de
Further information obtainable from: ERNST HINRICHS Dental GmbH
- 1.4 Emergency telephone number**
ERNST HINRICHS Dental GmbH: +49 (0) 53 21 / 5 06 24 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification

- 2.1 Hazard designation for human and environment:** n.a.
- 2.2 Hazardous / non hazardous preparation:** n.a.
- 2.3 Harmful effects to health and environment on abuse:** n.a.
- 2.4 Other hazards based on the material:** None.

SECTION 3: Composition/information on ingredients

- 3.1 Polymethylmethacrylate.**

SECTION 4: First aid measures

- 4.1 General information:** No special measures are required.
- 4.2 After inhalation:** Consult a physician.
- 4.3 After skin contact:** n.a.
- 4.4 After eye contact:** If swarf gets into your eyes, rinse open eye for several minutes under running water. If symptoms persists, consult a physician.
- 4.5 After swallowing:** In case of discomfort, consult a physician.
- 4.6 Information for physician:** n.a.

SECTION 5: Firefighting measures

- 5.1 Suitable extinguishing agents:** Water spray, foam, powder, carbonic acid gas.
- 5.2 Not suitable extinguishing media:** Full water jet.



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- 5.3 Hazardous combustion products:** n.a.
- 5.4 Special protection equipment:** Use independent respirators (insulating).

SECTION 6: Accidental release measures

- 6.1 Personal safety precautions:** n.a.
- 6.2 Environmental precautions:** n.a.
- 6.3 Methods for cleaning up:** Absorb mechanically. Dispose according to regulations.
- 6.4 Additional information:** None.

SECTION 7: Handling and storage

- 7.1 Handling:** During thermal processing and/or shape cutting measures of extraction are required at work machines
Processing are suction measures at the Processing machines required.
- 7.2 Storage:** Store in dry conditions and protect from heat.
- 7.3. Application:** n.a.

SECTION 8: Exposure controls/personal protection

- 8.1 Exposure limits:** n.a.
- Limitation and monitoring to exposure: n.a.
- Limitation and monitoring to exposure at workplace: Use suitable dust extractor device at workstation. Do not eat, drink or smoke while you are working. Keep away from food and drinks.
- 8.2 Respiratory protection:** Use respirator if there is no sufficient extractor device.
- Hand protection: Wear protective gloves.
- Eye protection: Wear protective glasses.
- Skin protection: Use protective clothes.
- Limitation and monitoring to environmental exposure: n.a.

SECTION 9: Physical and chemical properties

- 9.1 Appearance:** Transparent, blue, ivory
- Physical state: Solid
- Odour: Odourless.
- PH-value: n.a.
- Boiling point or range: n.a.
- Flash point: <250°C (ASTM D1929-68)
- Autoflammability: <400°C (ASTM DI929-68)
- Explosive properties: n.a.
- Oxidizing properties: n.a.
- Vapour pressure: n.a.
- Relative density: 1,19 gr/cm³ at 20°C



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Solubility water / fat:	Insoluble in water.
Partition coefficient:	n.a.
Viscosity:	n.a.
Vapour density:	n.a.
Evaporation rate:	n.a.

9.2 Other data: n.a.

SECTION 10: Stability and reactivity

10.1 Conditions to avoid: n.a.

10.2 Materials to avoid: n.a.

10.3 Hazardous decomposition products: None according to intended application. During thermal composition irritating and flammable fumes arise which irritate eyes and respiratory system. The fumes exist prevalent of: methyl methacrylate.

SECTION 11: Toxicological information

This product was not toxicological tested. When used and handles according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12: Ecological information

12.1 Ecotoxicity: None.

12.2 Mobility: n.a.

12.3 Persistence and degradability: low watersolubility -> unlikely bioavailability

12.4 Potential for bioaccumulation: n.a.

12.5 Other adverse effects: None.

SECTION 13: Disposal considerations

Product and packaging should be disposed to official rules and directives.
EWC-waste code: 07 02 13: plastic waste.

SECTION 14: Transport information

14.1 UN-number: n.a.

14.2 Class: None.

14.3 correct identification of goods: Cad-PMMA

14.4 Packaging group: n.a.

14.5 Ocean harmful substances: n.a.

14.6 Other relevant information: None.

SECTION 15: Regulatory information

Subject to classification: No subject to declaration according to EC rule.



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SECTION 16: Other information

This safety data sheet 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. We cannot guarantee or give a warranty for the accuracy, dependability and completeness of this information, explicitly or implicitly. We call upon any person getting this information to urgently check and verify the adequacy and completeness for her or his special application.

n.a. = not applicable