

safety data sheet according to 91/155/EEC

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review:

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CopraPlex

1. identification of the substance/preparation and of the company/undertaking:

- 1.1 identification of the substance: polymethylmethacrylate
- 1.2 application / preparation: PMMA blanks for the dental casting technique
- 1.3 producer / supplier: Whitepeaks Dental Solutions GmbH & Co. KG
Langeheide 9
45239 Essen - Germany
phone: +49-281-206458-0
fax: +49-281-206458-13
- 1.4 toxication helpdesk: Giftnotrufzentrale Berlin:
phone (24Std.) +49 30 19240

2. composition / information on ingredients

polymethylmethacrylate

3. hazards identification

- 3.1 hazard designation for human an environment: n.a.
- 3.2 hazardous / non hazardous preparation: n.a.
- 3.3 harmful effects to health and environment on
abuse: n.a.
- 3.4 other hazards based on material: none

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 get into your eyes, rinse open eye for several minutes under running water. If symptoms persist consult a physician |
| 4.5 after swallowing: | in case of discomfort consult a physician |
| 4.6 information for physician: | n.a. |

5. fire-fighting measures

- | | |
|---------------------------------------|----------------------------------------------|
| 5.1 suitable extinguishing media: | water spray, foam, powder, carbonic acid gas |
| 5.2 not suitable extinguishing media: | full water jet |
| 5.3 hazardous combustion products: | n.a. |
| 5.4 special protection equipment: | use independent respirators (insulating) |

6. accidental release measures

- | | |
|--------------------------------|-------------------------------------------------------|
| 6.1 personal precautions: | n.a. |
| 6.2 environmental precautions: | n.a. |
| 6.3 methods of cleaning: | absorb mechanically. Dispose according to regulations |
| 6.4 additional information: | none |

7. handling and storage

- | | |
|------------------|--------------------------------------------------------------------------------------------------------|
| 7.1 handling: | during thermal processing and/or shape cutting measures of extraction are required at working machines |
| 7.2 storage: | in dry conditions and protect from heat |
| 7.3 application: | n.a. |

8. exposure controls/personal protection

8.1 exposure limits:	n.a.
8.2 limitation and monitoring to exposure	n.a.
8.2.1 limitation and monitoring to exposure at work station:	use suitable dust extractor device at workstation. Do not eat, drink or smoke while you are working. Keep away from food and drinks.
8.2.1.1 respiratory protection:	use respirator if there is not sufficient extractor device
8.2.1.2. hand protection	wear protective gloves
8.2.1.3. eye protection:	wear protective glasses
8.2.1.4. skin protection:	use protective clothes
8.2.2. limitation and monitoring to environmental exposure:	n.a.

9. physical and chemical properties

9.1 appearance:	without colour, coloured
9.1.1 aggregate state:	solid, in different shapes
9.1.2 odour:	odourless
9.2 pH:	n.a.
9.2.1 boiling point:	n.a.
9.2.2 flash point:	<250°C (ASTM D1929-68)
9.2.3. autoflammability:	<400°C (ASTM D1929-68).
9.2.4. explosive properties:	n.a.
9.2.5. oxidizing properties:	n.a.
9.2.6. vapor pressure:	n.a.
9.2.7. relative density:	1,19 gr/cm ³ at 20°C
9.2.8. solubility water / fat	insoluble in water
9.2.9. partition coefficient:	n.a.
9.2.10. viscosity :	n.a.
9.2.11.vapor density	n.a.
9.2.12. evaporation rate:	n.a.
9.3 other data:	softening temperature 110°C

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: methylmethacrylate

11. toxicological information

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

12. ecological information

- 12.1 ecotoxicity: none
- 12.2 mobility: n.a.
- 12.3 persistence / degradability: low water solubility → unlikely bioavailability
- 12.4. bioaccumulation potential: n.a.
- 12.5. other adverse effects: none

13. disposal considerations

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

14. transport information

- 14.1. un-number: n.a.
- 14.2. class: none
- 14.3. correct identification of goods: CopraPlex
- 14.4. packaging group: n.a.
- 14.5. ocean harmful substances: n.a.
- 14.6. other relevant information: none

15. regulatory information

subject to classification: no subject to declaration according to EC rule

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 can not a 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