

**safety data sheet according to 91/155/EEC**

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review:

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**CopraTemp**

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

- 1.1 identification of the substance: PMMA (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**

polymethyl methacrylate, dimethylacrylate and pigments

**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:	16 Vita classic colours
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:	n.a.
9.2.3. autoflammability:	n.a.
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:	n.a.
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 100°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

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

This product was not eco toxicological tested. Due to the consistency as well as the low water solubility bioavailability is not likely. Tests on other products with similar composition confirm this assumption.

- 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: CopraTemp

- 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