

### Safety data sheet

#### ACRYLIC BLOCKS

#### **1. substance / preparation**

- 1.1. identification of substance: polymethylmetacrylate  
1.2. application / preparation: PMMA blanks for dental casting technique

#### **2. composition / information on ingredients**

polymethylmetacrylate

#### **3. hazards identification**

- 3.1. hazard designation for human an environment: n.a.  
3.2. hazardous / non hazardous prepatation: n.a.  
3.3. harmful effects to health and evironment  
no abuse: n.a.  
3.4. other hazards based no 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 eyes, rinse open eye for several minute  
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 work machines  
Bearbeitung sind Absaugmaßnahmen an den  
Verarbeitungsmaschinen erforderlich.  
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 protective:	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:	1,19g/cm <sup>3</sup> bei 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:	n.a.

## **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 respirators system. The fumes exist prevalent of: methylmetacrylate

## **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 watersolubility → 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:	PMMA
14.4. packaging group:	n.a.
14.5. ocean harmful substance:	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 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