

Safety data sheet

PMMA Blocks for Dental use

1. Name of substance / preparation and company

Name of substance / preparation and company	
Product name	CADtools PMMA Blocks for Dental use
Use of the substance / mixture	Medical technology
Details of the supplier who provided the safety data sheet	CADtools GmbH
Address	Max-Josef-Metzger-Str. 6 86157 Augsburg
Telephone	+49 821 455252-0
Fax	+49 821 5999965-44
E-mail	augsburg@cadtools.eu
Emergency information	Poison emergency number of the Charité Universitätsmedizin Berlin
Telephone	+49 30 19240

2. Possible hazards

Risk labelling

none

Harmfulness

none

Ecological damage

none

3. Composition / information on the components

Chemical name	Molecular formula	CAS number	Concentration
Poly (methyl methacrylate)	$(C_5O_2H_8)_n$	9011-14-7	72,5 %
Methyl methacrylate	$C_5H_8O_2$	80-62-6	27,0 %
Pigment	-	-	0,5 %

4. Description of the measures

Description of the measures	
After inhalation	Get out in the fresh air and consult a doctor if your airways are irritated.
After skin contact	Thoroughly clean with warm water and soap. Get medical advice in case of skin irritation.
After eye contact	Rinse carefully and thoroughly with the eye shower or with cold, clean water, if necessary consult an ophthalmologist.
After ingestion	Rinse out your mouth immediately and then drink plenty of water.

5. Fire-fighting measures

Fire-fighting measures	
Suitable extinguishing agents	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Unsuitable extinguishing agents	not known
Particular hazards during fire fighting	not known
Special protective equipment for fire fighters	In the event of fire, wear self-contained breathing apparatus and standard extinguishing equipment.
More information	Do not allow extinguishing agents to get into surface water or the groundwater system.

6. Accidental release measures

Personal protective measures

not known

Environmental protection measures

not known

Methods for cleaning up / taking up

Pick up mechanically and dispose of in suitable containers.

Additional information

none

7. Handling and storage

Handling

No special actions required. Wash hands thoroughly after handling.

Storage

Store in a cool and dry place. Store away from open flames, hot surfaces and sources of ignition.

8. Exposure controls and personal protective equipment

Parameters to be controlled	
Exposure limit values	not known
Limitation of exposure monitoring	not known
Limitation and monitoring of exposure in the workplace	Do not smoke, eat or drink while working. Keep away from food and beverages. Rinse out your mouth immediately and then drink plenty of water.
Personal protective equipment	
Eye protection	Safety goggles
Respiratory protection	Respiratory protection
Skin protection	Protective gloves
Technical protection	The dust must be aspirated immediately at the point of origin.

9. Physical and chemical properties

Physical and chemical properties	
Appearance	industrially manufactured solid
Colour	Crystal clear, A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4
Odour	odourless
Melting temperature	165 °C
Boiling temperature	no data available
Flash point	> 280 °C
Explosion limits	no data available
Relativ density	1,17 g / cm ³
Vapor density	no data available
Water solubility	insoluble
PH value	no data available
Vapor pressure	no data available
Self-igniting	not self-igniting

10. Stability and reactivity

Stability and reactivity	
Reactivity	no particular hazards to mention.
Chemische Stabilität	stable under normal conditions
Possibility of hazardous reactions	not known
Conditions to avoid	not known
Substances to avoid	not known
Hazardous decomposition products	not applicable

11. Toxicology

No toxicological information is available.

12. Information on ecology

Information on ecology	
Ecotoxicity	If handled and used properly, no ecological problems are to be expected.
Mobility	not applicable
Persistence and degradability	not applicable
Bioaccumulative potential	not known
Other harmful effects	not known

13. Disposal considerations

Product

The product and packaging must be disposed of in accordance with local regulations.

Packaging

Uncontaminated, cleaned packaging can be recycled.

14. Transport information

Transport information	
UN proper shipping name	not verifiable
UN number	not verifiable
Packing group	not verifiable
Marine pollutants	not verifiable
Special provisions for transport	not verifiable

15. Disclaimer

The information in this safety data sheet corresponds to the best of our knowledge at the time of revision. The information is intended to give you guidelines for the safe handling of the product named in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product named in this safety data sheet is blended, mixed or processed with other materials, or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless otherwise expressly stated.