

Argen PMMA

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier Product name:

Product Name: **PMMA BLOCK**

1.2. Relevant identified uses of the substance or mixture and uses advised against


RELEVANT IDENTIFIED USES

This product is mainly used for the fabrication of multi-unit, fully or partially anatomical long-term temporary bridge restorations with up to two pontics by CAD/CAM systems.

USES ADVISED AGAINST

Any other not listed above.

1.3. Details of the supplier of the safety data sheet Supplier:

 Company name: The Argen Corporation
Full address: 5855 Oberlin Drive, San Diego, CA 92121-4718. USA
Fax: 1-858-626-8686
E-mail address of competent person responsible for the SDS:
info@argen.com

1.4. Emergency telephone number

Emergency telephone number: Chemtrec: 1-703-741-6090 (collect calls accepted - German and English).

SECTION 2 - HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not applicable.

2.2. Label elements

Hazardous Components	CAS No.	EINECS No.	%
Methyl methacrylate	000080-62-6	201-297-2	< 1.5

2.3. Other hazards

The product presents no toxic hazard when used according to the manufacturer's instructions. If a patient is known to be allergic to any of the ingredients of the teeth, the product should not be used.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance/mixture:

Polymethylmethacrylate with high molecular weight Methylmethacrylate
Pigments: Iron oxide and Titanium dioxide

3.1.1. Other means of identification:

None

3.2. Mixtures

None.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

AFTER INHALATION

In case of trouble after inhaling abrasive dust, seek medical advice.

AFTER EYE CONTACT

In case of mechanical eye irritation, rinse thoroughly with large amounts of water. Consult a doctor if irritation persists.

AFTER SKIN CONTACT

In case of dust contact with skin, wash off with soap and water. Consult a doctor if skin irritation persists.

AFTER SWALLOWING

In case of swallowing, seek medical advice.

4.2. Most important symptoms/effects, acute and delayed

No specific antidote. Effect support therapy. Care should be effected according doctor's evaluation with respect to the patient's reactions.

4.3. Indication of immediate medical attention and special treatment needed

This product is a non-hazardous polymer solid. Dust generated from polishing or grinding may cause eye or respiratory tract irritation.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

These products are not classified as flammable or combustible but will burn under fire conditions. Water spray jet, foam, dry powder, carbon dioxide

5.2. Specific Hazards arising from the substance or mixture

None.

5.3. Special protective actions for fire-fighters

Use self-contained respirator (breathing apparatus). -Wear full protection suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid build up of dust. Use breathing protection (Fine dust mask FFP) when exposed to dust. Use personal protective equipment (overalls, protective glasses and protective gloves).

6.2. Environmental precautions

Environmental precautions

6.3. Methods and material for containment and cleaning up

None.

6.4. Reference to other sections

None.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling:

Avoid generating dust. Avoid breathing dust. Use adequate ventilation for polishing or grinding operations. Wash hands thoroughly after polishing or grinding teeth. Use good housekeeping to minimize accumulation of dust.

7.2. Conditions for safe storage, including any incompatibilities

No special storage required.

7.3. Specific end use(s)

Use for Making contact with the metal surface of temporary crown and bridge.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

None.

8.2. Exposure Controls

None.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state at 20° C	Solid
Color	Various
Odor	Unscented
Specific weight (at 20°C)	--
Solubility in water (at 20°C)	Insoluble
PH (at 20°C)	--
Casting temperature	--
Boiling temperature	--
Auto ignition temperature	--
inflammability temperature	--
Air deflagration limits	--

9.2. Other information

None.

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical Stability

Stable.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to Avoid

Stable in normal conditions.

10.5. Incompatible Materials

None.

10.6. Hazardous decomposition products

None when correctly utilized.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

SENSITISATION

Allergic reactions were reported among humans. The product contains small quantities of sensitising substances (methyl methacrylate). Intensive skin contact, especially with the dissolved product, can trigger an allergic reaction in persons previously sensitised.

FURTHER INFORMATION

The biocompatibility tests carried out on the teeth, in accordance with EN ISO 10993, regarding cytotoxicity, toxicity test, stimulate or intradermal reaction, acute systemic toxicity and delayed type, did not result in any negative effects, under the test conditions, on the cell materials used. The fines which appear during sharpening can lead to mechanical irritations of the skin, eyes, and mucous membranes. Skin and eye contact with the product should be avoided. The inhalation of product dusts should be avoided.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No dangers for environment are known.

12.2. Persistence and degradability

The material is known to be stable in environment. Due to the low biodegradability the product should not reach water or ground.

12.3. Bioaccumulative potential

None.

12.4. Mobility in soil

None.

12.5. Results of PBT and vPvB assessment

None.

12.6. Other adverse effects

None.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

RECOMMENDATION

The waste is not dangerous and can be disposed together with household garbage. Disposal area must comply with the environment and national safety standard.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

None.

14.2. UN proper shipping name

None.

14.3. Transport hazard class(es)

None.

14.4. Packing group

1/box, 5/box

14.5. Environmental hazards

None.

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

None.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The product is subject to the regulations of the Medical Device Directive 93/42/EEC, as well as to the national Medical Device Act and the Chemicals Act.

15.2. Chemical safety assessment

None.

SECTION 16. OTHER INFORMATION

No further technical information

The present data sheet contains technical-scientific information processed at best of our knowledge. We recommend verifying national and regional regulations applicable to the specific utilize field as well as regulations relative hygienic and safety on work and environment worship.

All information contained in the present data sheet is correct and processed in good faith. However they do not involve any obligation, guarantee and patent concession.

The characteristics mentioned in the following document do not constitute contractual specifications.