

Safety data sheet

Revision: 06.11.2018

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY:

Product identifier	PMMA
Trade name:	CADdent PMMA bunt
Application of the substance/mixture:	Splints
Uses advised against:	No further information available.

Details of the supplier of the safety data sheet

Manufacturer/Supplier:	CADdent GmbH Laser- und Fräszentrum Augsburg Max-Josef-Metzger-Str. 6 86157 Augsburg
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	augsburg@caddent.eu

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Component Name:	Polymethyl Methacrylate(<100%) + 0,01-0,02% colour No hazardous ingredients.
NFPA Rating:	Not known.

3. HAZARDS IDENTIFICATION:

Physical/chemical hazards:	Not applicable.
Human health hazards:	Heated material may cause burns to unprotected skin. Heated material may release volatile ingredients and cause irritation and burns to unprotected eyes.
Environmental hazards:	Not applicable.

4. FIRST AID MEASURES:

Effects and Symptoms	
Eye contact:	Heated material may release volatile ingredients and cause irritation and burns to unprotected eyes.
Skin contact:	Heated material may cause burns to unprotected skin.
Ingestion:	Slightly hazardous in case of ingestion.
Inhalation:	Slightly hazardous in case of inhalation.
First Aid Measures	
Eye contact:	Flush eyes with plenty of water for 15 minutes, occasionally lifting upper and lower eyelids. WARM water MUST be used.
Skin contact:	Warm water must be used.
Ingestion:	If large quantities are swallowed, rinse mouth and consult a doctor.
Inhalation:	Allow the victim to rest in a well ventilated area. Seek medical attention if irritation persists.

5. FIRE-FIGHTING MEASURES:

NFPA Rating: Not known.

Extinguishing Media

Suitable/Not suitable: SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use extinguishing media suitable for the surrounding materials.

Special firefighting procedures: No special measures required.

Fire/Explosion hazards: None.

Hazardous thermal decomposition products: No dangerous substances are released.

Protection of fire fighters: No special measures are required.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: No special precautions are required.

Environmental precautions and clean up methods: No special precautions are required.

7. HANDLING AND STORAGE:

Handling: Heated material may release volatile ingredients and cause irritation and burns to unprotected eyes.

Storage: No special precautions are required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Engineering controls: Ventilation is normally required when handling or using this product.

Personal Protective Equipment

Respiratory system: Provide adequate ventilation.

Skin and body: Laboratory coat.

Hands: No special protective clothing is required.

Eyes: Safety glasses at all times.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state and appearance: transparent

Color: translucent or transparent cream

Appearance/Odor: odorless

Boiling point/Boiling range: > 200°C (392° F)

Melting point/Melting range: 165°C (329°F)

Density: 1.18 (water = 1)

Solubility: Very slightly soluble in methanol, insoluble in cold water, hot water.

Octanol/water partition coefficient: No available.

pH: Not applicable.

Flash point: >280°C (536°F) Open Cup method.

Flammability: Flammable in presence of open flames and sparks. Slightly

	flammable to flammable in presence of heat.
Autoignition temperature:	Not applicable.
Explosion properties:	Non-explosive in presence of open flames and sparks, or shocks.

10. STABILITY AND REACTIVITY:

Chemical stability:	The product is stable.
Conditions to avoid:	None.
Incompatibility with:	None known.
Hazardous products of deposition:	Not expected to form hazardous materials.
Reactions with air and water:	Does not react with air, water or other common materials.

11. TOXICOLOGICAL INFORMATION:

Summary:	Not considered to be toxic to humans or animals.
Skin effects:	Non-irritant for skin.
Eye irritation:	Non-irritating to the eyes.
Sensitization:	Non-sensitizer for skin.
Chronic toxicity:	There is no known effect from the chronic exposure to this product.

12. ECOLOGICAL INFORMATION:

Exotoxicity:	Exotoxicity is expected to be low based on the low water to nearly zero solubility of pmma in water.
Environmental Fate:	No information found in our selected references.
Bioaccumulation:	Not expected to occur.

13. DISPOSAL CONSIDERATIONS:

This material is NOT classified as a hazardous material by RCRA. Use only licensed transporters and permitted disposal facilities and conform to all laws.

Recycle to process, if possible.

Germany water class: VCI WGK: No products were found.

Methods of disposal; waste of residues; contaminated packaging: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION:

Proper shipping name:	Not regulated, no dangerous cargo.
DOT hazard class:	Not regulated, no dangerous cargo.
UN/NA ID:	Not regulated, no dangerous cargo.
Packing group:	Not applicable.
Labels:	Not regulated.
Marine pollutant:	No.

NAER guidebook:	Not regulated.
DOT status:	Not regulated.
Land-Road/Railway	
ADR/RID class:	No dangerous cargo.
Sea	
IMDG class:	No dangerous cargo.
Air	
IATA-DGR class:	No dangerous cargo.

15. REGULATORY INFORMATION:

TSCA:

All components of this product are listed on the TSCA 8(b) inventory. If identified components of this product are listed under the TSCA 12(b) Export Notification Rule, they will be listed below.

TSCA 12(b) Component	Listed under TSCA Section.
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SARA-Section 313 Emissions Reporting:

Component	Reporting threshold.
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SARA-Section 311/312:

No components present in this product are subject to the reporting requirements of this statute.

CERCLA Hazardous Substances and their Reportable Quantities:

Component	Reportable quantity.
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EU regulations

Risk phrases: This product is not classified according to the EU regulations.

Safety phrases: Not applicable.

Contains: Not applicable.