

# SAFETY DATA SHEET

2/6/2017

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PMMA

PRODUCT I.D.: All product numbers with prefixes:  
PMMA-

COMPANY: Opa Dental, LLC  
105 Whitaker Blvd.  
Huntington, WV 25701

PHONE: 1-304-523-6721

CHEMICAL NAME: Poly methyl methacrylate  
CHEMICAL FORMULA:  $(C_5O_2H_8)_n$

PRODUCT USE: Provisional restorations, Casting

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## SECTION 2: COMPOSITION

Chemical Characterization: Pre-Sintered, porous ZrO2 Block					
Composition:	Percentage:	CAS Number:	EC Number:	NFPA H/F/R/O*	HMIS H/F/PH/PP**
Poly methyl methacrylate $(C_5O_2H_8)_n$	100%	9011-14-7	N/A	2/1/0/-	N/A

\*Health, Flammability, Reactivity, Other information

\*\*Health, Flammability, Physical Hazard, Personal Protection

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## SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Eyes, mouth, or skin.

### POTENTIAL HEALTH EFFECTS

EYES: May irritate  
SKIN: May irritate  
INGESTION: May irritate  
INHALATION: May irritate  
CARCINOGENICITY: None known

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## SECTION 4: FIRST AID MEASURES

**Potential Health Effects Primary Entry Routes:** Inhalation (when the product is thermally degraded)

**Target Organs:** Upper respiratory tract.

**Acute Effects/Chronic Effects:** Solid product: Acute and chronic health effects are not expected as long as good industrial hygiene and safety precautions are followed.

Hot molten product: **Inhalation:** At elevated temperatures dense fumes may develop which can cause respiratory tract irritation and other breathing disorders. **Eye:** Contact with hot product will cause burns to the eyes.

**Skin:** Skin contact with hot material may result in severe burns.

**Ingestion:** No significant adverse effects are anticipated. If swallowed in large quantities, this material can obstruct the intestines.

**Carcinogenicity:** IARC, NTP, and OSHA do not list any components as carcinogens.

#### 4. First Aid Measures

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen and/or artificial respiration. **Eye**

**Contact:** Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists. **HOT MOLTEN product:** Cool burns with plenty of low-pressure water. Get immediate medical attention.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists. **HOT MOLTEN product:** Immediately cool skin with water and cold packs for at least 15 minutes. Do NOT put ice directly on the skin. Do NOT attempt to remove solidified wax from the skin as severe tissue damage may result. Get immediate medical attention. See Note to Physician.

**Ingestion:** Not an ingestion hazard under anticipated conditions of use. For accidental ingestion: If conscious, drink one to two glasses of water (8-16 oz.). Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

**Note to Physicians:** For **HOT MOLTEN** or **HOT LIQUID** product: Material should not be forcibly pulled from the skin. Mineral oil may be used to loosen and soften the material.

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#### SECTION 5: FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Normal extinguishing media

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Standard measures, e.g. dust mask or dust collection device.

**ACCIDENTAL RELEASE MEASURES:** Avoid discharge into drains or surface water.

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#### SECTION 7: HANDLING AND STORAGE

**HANDLING:** Only adequately trained personnel should handle this product. Keep out of reach of children. Usual hygienic measures are necessary. When using, do not eat, drink, or smoke. Provide adequate local ventilation or suction unit, especially in case of dust exposure.

**STORAGE:** No special requirements for place of storage and containers.

No further indications necessary for storage, no restrictions for storage with other products.

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#### SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Provide adequate local ventilation.

Prepare material in proximity to an air suction unit.

Use a dust protection mask.

Avoid inhalation.

Safety eyewear necessary.



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Plastic	Flexural strength:	70MPa
Aggregate State:	Solid	Vickers hardness:	N/A
Odor:	N/A	Average grain size:	N/A
pH:	N/A	Radioactivity:	0Bq/g
Boiling Point:	200°C	Partition Coefficient:	N/A
Flash Point:	460°C	Solubility water/fat:	Insoluble in water
Auto-Flammability:	Not Self-Igniting	Chemical solubility:	Methyl ethyl ketone
Explosive Properties:	N/A	Viscosity:	N/A
Oxidizing Properties:	N/A	Vapor Density:	N/A
Vapor Pressure:	N/A	Evaporation Rate:	N/A
Relative Density:	1.18g/cm <sup>3</sup>	Melting Point:	160°C

**SECTION 10: STABILITY AND REACTIVITY**

Conditions to avoid:	N/A
Materials to avoid:	N/A
Hazardous Decomposition products:	N/A

**SECTION 11: TOXICOLOGICAL INFORMATION**

Cytotoxicity	None
Short-term systemic toxicity	None
Sensitization (delayed hypersensitivity)	None
Cutaneous reactivity	None

**SECTION 12: ECOLOGICAL INFORMATION**

None

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Take to an approved landfill or waste incineration plant, under conditions approved by the local authorities.

**SECTION 14: TRANSPORT INFORMATION**

Not Hazardous

**SECTION 15: REGULATORY INFORMATION**

Class II medical device

Device #: 872.3770

Code: EBG

Required pre-market approval, regulated by the FDA, only distributed by FDA registered entities

**ADDITIONAL INFORMATION**

The Safety Data Sheet serves as a description of the products in regard to necessary safety measures. The indications do not guarantee properties.