



SAFETY DATA SHEET
Regulation (EC) No 1907/2006 (REACH)

(Revision: 3/14/2019; Supersedes: 4/21/2015)

Section 1 Identification of the Substance/Preparation and of the Company/Undertaking.

1.1 Product Identifier

Product Type: Polymethylmethacrylate

Trade Name: PMMA

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Blanks for Dental Casting.

Uses Advised Against: For professional use only.

1.3 Details of the Supplier of the Substance or Mixture

Manufacturer:

Whip Mix Corporation
361 Farmington Avenue
Louisville, Kentucky, USA 40209
Emergency Telephone Number: (502) 634-1451
Fax Number: (502) 634-4512

EU Importer

Whip Mix Europe GmbH
Wißstrasse 26 – 28
D – 44137 Dortmund
Germany
+49 (0) 231 / 567 70 8-0

1.4 Emergency Telephone Number

Transportation Emergencies: *CHEMTREC 1(800) 424-9300 (U.S. and Canada)*
International Calls: 1- 703-527-3887 (Collect calls accepted)

Other Product Information: Infor@whipmix.com

Section 2 Hazard Identification

2.1 Classification of the Mixture:

OSHA/WHMIS/GHS/CLP Classification (1272/2008):

Health Hazards	Physical Hazards	Environmental Hazards
Not Hazardous	Not Hazardous	Not Hazardous

2.2 Label Elements

None required

2.3 Other Hazards: None

Section 3 Composition/Information on Ingredients.

<u>Substance</u>	<u>CAS No. / EC Number</u>	<u>%</u>	<u>CLP/GHS Classification (1272/2008)</u>
Poly(methyl methacrylate)	9011-14-7 / 618-466-4	95-100	Not hazardous

See Section 16 for full text of GHS Classifications.

Section 4 First-Aid Measures.

4.1 Description of First Aid Measures

Inhalation: Remove to fresh air, If irritation persists, get medical attention.

Eyes: Flush eyes with large quantities of water, holding the eyelids apart. If irritation persists consult a physician.

Skin: Wash skin with soap and water. If irritation persists, get medical attention.

Ingestion: If large amounts are swallowed or if irritation or discomfort occurs, get medical attention.

4.2 Most Important symptoms and effects, both acute and delayed: Dust may cause mechanical eye and skin irritation. Inhalation of large quantities of dust may cause upper respiratory tract irritation.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is not required.

Section 5 Fire-Fighting Measures.

5.1 Extinguishing Media: Use water spray, foam, carbon dioxide or dry chemical. Do not water jet.

5.2 Special Hazards Arising from the Substance or Mixture: This product is not flammable but may burn under fire conditions. Dust may be generated during processing. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Combustion may produce carbon monoxide, carbon dioxide and methyl methacrylate.

5.3 Advice for Fire-Fighters: Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

Section 6 Accidental Release Measures.

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Wear protective clothing and equipment as described in Section 8.

6.2 Environmental Precautions: Report releases as required by local and national authorities.

6.3 Methods and Material for Containment and Cleaning Up: Pick up disks and place into an appropriate container for reuse or disposal.

6.4 Reference to Other Sections: Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

Section 7 Handling and Storage.

7.1 Precautions for Safe Handling: Avoid breathing dust. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Minimize dust generation and accumulation.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated location.

7.3 Specific end use(s):

Industrial uses: None identified

Professional uses: Blanks for Dental Casting.

Section 8 Exposure Controls/Personal Protection

8.1 Control Parameters:

Poly(methyl methacrylate) (as inhalable dust)	5 mg/m ³ TWA (respirable fraction), 15 mg/m ³ TWA (total dust) OSHA PEL (particles not otherwise classified) 10 mg/m ³ TWA Belgium OEL 10 mg/m ³ TWA French OEL 10 mg/m ³ TWA, 20 STEL Germany AGS 10 mg/m ³ TWA Ireland OEL 10 mg/m ³ TWA Spain OEL 10 mg/m ³ TWA Sweden
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Refer to local regulations for exposure limits not listed above.

8.2 Exposure Controls:

Recommended Monitoring Procedures: None.

Appropriate engineering controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Personal Protective Measures

Respiratory protection: None normally required. If the exposure levels are exceeded and irritation is experienced

an approved dust/mist respirator appropriate for the form and concentration of the contaminants should be used. In the EU refer to EN Standards (EN 149 or 405). Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

Skin protection: For prolonged use or in dusty conditions wear rubber gloves. In the EU refer to EN 374.

Eye protection: Wear safety goggles if contact is possible. In the EU refer to EN 166.

Other: Clothing with long sleeves should be worn to avoid skin contact.

Section 9 Physical and Chemical Properties.

9.1 Information on basic Physical and Chemical Properties

Appearance: Solid disks

Odor: Odorless

Odor threshold: Not applicable

Melting point/freezing point: Not available

Flash point: >482°F (250°C)

Flammability (solid, gas): Not applicable

Flammable limits: LEL: Not applicable

Vapor pressure: Not applicable

Relative density: 1.16 g/cm³

Partition coefficient: n-octanol/water: Not applicable

Decomposition temperature: Not applicable

Explosive Properties: Not applicable

pH: Not applicable

Boiling point: Not applicable

Evaporation rate: Not applicable

UEL: Not applicable

Vapor density (air = 1): Not applicable

Solubility In Water: Insoluble

Auto-ignition temperature: >752°F (400°C)

Viscosity: Not applicable

Oxidizing Properties: Not applicable

9.2 Other Information: None available

Section 10 Stability and Reactivity.

10.1 Reactivity: None known.

10.2 Chemical stability: Stable

10.3 Possibility of hazardous reactions: None known.

10.4 Conditions to avoid: Avoid dust formation.

10.5 Incompatible materials: Avoid oxidizing agents.

10.6 Hazardous decomposition products: Thermal decomposition may produce carbon monoxide, carbon dioxide and methyl methacrylate.

Section 11 Toxicological Information.

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eyes: Dust may cause mechanical irritation.

Skin: Dust may cause mechanical irritation.

Ingestion: No adverse effects expected for normal, incidental ingestion. Large amounts may cause gastrointestinal irritation and nausea. .

Inhalation: Inhalation of dust may cause irritation of the eyes, nose and upper respiratory tract. Symptoms include coughing, sneezing and difficulty in breathing.

Chronic Health Effects: None known.

Mutagenicity: None of the components have been shown to cause mutagenic activity.

Reproductive Toxicity: None of the components have been shown to reproductive or developmental toxicity.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC or NTP.

Acute Toxicity Data:

Poly(methyl methacrylate): Oral rat LD50 >10,000 mg/kg

Section 12. Ecological Data.**12.1 Ecotoxicity:**

Poly(methyl methacrylate): No data available

12.2 Persistence and degradability: This product is persistent but inert in aquatic organisms.

12.3 Bioaccumulative potential: This product does not bioaccumulate.

12.4 Mobility in soil: Insoluble in water.

12.5 Results of PBT and vPvB assessment: Components do not meet the criteria of PBT or vPvB.

12.6 Other adverse effects: Not required.

Section 13. Disposal Considerations.

13.1 Waste Treatment Methods: Dispose in accordance with all national and local regulations.

Section 14. Transport Information.

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not Regulated			
Canadian TDG		Not Regulated			
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			
IATA/ICAO		Not Regulated			

14.6 Special precautions for User: Not applicable

14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Section 15 Regulatory Information.**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture****US Regulations**

SARA Section 313 (40 CFR 372): This product contains the following toxic chemical(s) subject to reporting requirements of SARA 313: None

SARA Section 311/312 (40 CFR 370) Hazard Categories: Fire hazard

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

California: This product contains the following substances known to the state of California to cause cancer and/or reproductive toxicity: None

International Chemical Inventories

Australia: All of the components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempt.

Canadian Environmental Protection Act: This product is a manufactured article and not subject to chemical notification requirements.

China: All of the components in this product are listed on the Inventory of Existing Chemical Substances in China (IECSC) or exempt.

Japanese Existing and New Chemical Substances: This product is a manufactured article and not subject to chemical notification requirements.

Korea: All of the components in this product are listed on the Korean Existing Chemicals List (KECL) or exempt.

New Zealand: All of the components in this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempt.

Philippines: All of the components of this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS) or exempt.

Taiwan: All of the components of this product are listed on the Taiwan New and Existing Chemical Inventory (NECI).

Toxic Substances Control Act (TSCA): All of the components of this product are listed on the TSCA inventory.

German Water Hazard Class (VwVwS): nwg

16. Other Information.

HMIS Rating: Health 0 Flammability 0 Reactivity 0
Hazard: 4-Severe; 3-Serious; 2-Moderate; 1-Slight; 0-Minimum

CLP/GHS Classification and H Phrases for Reference (See Section 3)
None

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