



**SAFETY DATA SHEET**  
**PORTUX HCN PMMA DISCS FOR CAD/CAM**  
**DPDDFS-081**

**1 IDENTIFICATION OF PRODUCT**

- 1.1 Chemical name: Not applicable.
- 1.2 Generic name: PMMA discs.
- 1.3 Synonyms: Poly methyl methacrylate discs, acrylic discs, acrylic resin discs, synthetic resin discs.
- 1.4 Recommended use and product use restrictions: Product intended for the elaboration of dental prostheses.
- 1.5 Emergency number: In case of emergency contact the Safety and Health at Work Coordination at the following numbers (+57 60 4) 403 87 60, ext. 1304 and 1306.

**2 IDENTIFICATION OF HAZARDS**

2.1 GHS Classification:

Health	Environment	Physical
Non-hazardous	Non-hazardous	Non-hazardous

2.2 GHS Labelling:

Symbol	Signal word	Danger indication
None required	None required	None required

- 2.3 Precautionary indications: Not applicable.
- 2.4 Appearance in emergency: Generation of vapors above 250 °C (482 °F) produced by its decomposition.
- 2.5 Potential adverse effects on health: Not applicable
- 2.6 NFPA: Health = 0, Flammability = 0, Reactivity = 0.
- 2.7 OSHA regulatory state: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**3 INFORMATION ABOUT COMPOSITION**

HAZARDOUS COMPONENTS		
Common name	Concentration	CAS Number
None	None	None

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<b>NON-HAZARDOUS COMPONENTS</b>		
<b>Common name</b>	<b>Concentration</b>	<b>CAS Number</b>
Poly methyl methacrylate	Industrial secret	9011-14-7
Methyl methacrylate	Industrial secret	80-62-6
Dimethacrylate ethylene glycol	Industrial secret	97-90-5
Pigments	Industrial secret	N.A.
Fluorescent additive	Industrial secret	658084-50-5

#### 4 FIRST AID MEASURES

4.1 Emergency procedures and first aid in case of:

- Inhalation: In case of irritation remove the person to fresh air.
- Contact with eyes: Flush open eyes with running water for several minutes. If symptoms persist, consult a physician.
- Skin Contact: There are not any implications associated.
- Ingestion: There are not any implications associated.

4.2 Most important symptoms/effects (acute and/or delayed): This product is a non-hazardous solid polymer. Dust generated by the polishing may cause irritation on the eyes or respiratory tract.

4.3 Antidote: Not applicable.

4.4 Information for doctors: Not applicable.

#### 5 FIRE FIGHTING MEASURES

5.1 Flammability properties: Non-flammable material.

5.2 Suitable extinction of fire: Use dry chemical powder, water spray, foam, or CO<sub>2</sub>.

5.3 Unsuitable extinction of fire: Water jet.

5.4 Instructions for fire extinguishing: Wear self-contained breathing apparatus and protective clothing.

5.5 Firefighters' protection: Promptly isolate the scene by removing all persons in the vicinity of the incident in case of fire.

5.6 Protective equipment and firefighters' protection: Wear suitable protective equipment and self-contained breathing apparatus with full face-piece operated in positive pressure mode.

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**6 ACCIDENTAL RELEASE MEASURES**

- 6.1 Techniques, procedures, materials and protective equipment in case of:
- Small spill: Collect manually.
  - Large spill: Sweep and collect manually.
- 6.2 Environmental precautions: No special measures are required; however, take into account conditions required by local and national authorities.
- 6.3 Further considerations: None.

**7 HANDLING AND STORAGE**

- 7.1 Handling: No special handling conditions are required.
- 7.2 Storage: Keep the product in a fresh and dry place at a temperature  $\leq 30\text{ }^{\circ}\text{C}$  (86  $^{\circ}\text{F}$ ).

**8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- 8.1 Conditions to control the exposure: No specific controls are required.
- 8.2 Engineering controls: Ensure sufficient ventilation.
- 8.3 Personal protective equipment: No specific protective equipment required. A face-piece with particles filter is worn in case of generating dust, and safety goggles if teeth are polished.
- 8.4 Exposure parameters: Not applicable.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance: Similar to natural teeth. Color ranges from white to dark brown. Translucent. It emits fluorescence under ultraviolet light.
- Odor: Odorless.
- Odor threshold: Not applicable.
- pH: Not applicable.
- Vapor pressure: Not applicable.
- Vapor density: Not applicable.
- Evaporation rate: Not applicable.
- Freezing or fusion point: Not applicable.
- Boiling point: Not determined.
- Solubility in water: Insoluble.
- Specific gravity or density: Not determined.
- Flammability point or explosive limit: Not applicable.
- Self-ignition temperature: Not determined.

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- Decomposition temperature: Not determined.
- Viscosity: Not applicable.
- N-octanol/water partition coefficient: Not applicable.

**10 STABILITY AND REACTIVITY**

- 10.1 Chemical Stability: Stable under normal storage and handling conditions.
- 10.2 Possible hazardous reactions: No hazardous reactions known.
- 10.3 Conditions to avoid: Direct heat sources and sun light.
- 10.4 Incompatibility with other materials: Contact with organic solvents and methyl methacrylate monomers and its derivatives.
- 10.5 Dangerous breaking down products: None.
- 10.6 Hazardous polymerization: None under normal storage and handling conditions.

**11 TOXICOLOGICAL INFORMATION**

- 11.1 Possible routes of exposure: If teeth are polished, dust may irritate the respiratory tract. Acute toxicity: There are no severe implications for health.
- 11.2 Chronic toxicity: There are no severe implications for health.
- 11.3 Additional information: None.

**12 ECOLOGICAL INFORMATION**

- 12.1 Ecotoxicity: No data available.
- 12.2 Persistence and degradability: No data available.
- 12.3 Potential of bioaccumulation: It does not accumulate noticeably in the organism
- 12.4 Mobility in soil: No data available.
- 12.5 Other adverse effects: No adverse effects known.

**13 DISPOSAL CONSIDERATIONS**

Recycle if possible. Do not dump into any body of water. Disposal practices must be in compliance with all current local regulations.

WARNING: Laws, regulations and local restrictions can change or be reinterpreted from one country to another and also, they can be different from the ones being into effect in Colombia. This is why considerations about waste disposal of product and its packing may differ from the ones appearing in this document.

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**14 TRANSPORT INFORMATION**

- 14.1 Hazardous material: None.
- 14.2 Class of risk: None.
- 14.3 UN Number: Not available.
- 14.4 IATA classification: Non-hazardous material.
- 14.5 Packing group: None.
- 14.6 Marine pollutant (Yes/No): No.

**15 INFORMATION ABOUT REGULATIONS INTO EFFECT**

- 15.1 In Colombia: Not applicable
- 15.2 International Regulations: In accordance with CEE regulations. The product does not require labeling according to the CE lists and CEE Guidelines/Regulation on hazardous substances.

**16 IMPORTANT ADDITIONAL INFORMATION**

The information registered in this document is based in our current knowledge and is given in good faith, but is no given an assurance express or implicit; neither is assumed any responsibility for the incorrect use of the product. This document is prepared according to:

- Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
- Colombian Technical Standard NTC 4435:2010. Transport of Merchandises. Safety Data Sheets of Materials. Preparation.

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