

INSTRUCTION FOR USE

Heat Cure Liquid

(Methyl Methacrylate Monomer for Heat-Cure Acrylic Denture Base Material)

Prevalent Heat Cure Liquid is a methyl methacrylate (MMA) monomer formulated for use with compatible heat-cure acrylic denture base polymer powder. When mixed and polymerized according to the recommended processing procedure, it forms an acrylic resin suitable for the fabrication of removable dental prostheses and related laboratory applications.

COMPOSITION

Methyl Methacrylate (MMA) Monomer, Cross-linking Agent, Stabilizer
Cadmium-free.

INTENDED USE

Heat Cure Liquid is intended to be mixed with a compatible heat-cure acrylic denture base powder for the fabrication, repair, rebasing, and relining of removable dental prostheses and other compatible prosthodontic appliances.

INDICATIONS

- Fabrication of complete and partial denture bases.
- Laboratory repair of compatible acrylic denture bases.
- Rebasing and relining of compatible removable prostheses.
- Fabrication of compatible acrylic base plates and other prosthodontic appliances.

INSTRUCTIONS FOR USE

- Use only with a compatible heat-cure acrylic denture base powder.
- Prepare the dental flask, mould, and separating medium according to standard dental laboratory procedures.
- Measure the polymer powder and Heat Cure Liquid accurately according to the validated powder-to-liquid mixing ratio specified for the denture base system.
- Pour the measured liquid into a clean, dry mixing vessel and gradually add the polymer powder.
- Mix thoroughly and cover the vessel to minimize monomer evaporation.
- Allow the mixture to reach the appropriate dough stage before packing.
- Pack the acrylic dough into the prepared mould and trial-close the flask as required. Remove excess material and complete final closure under appropriate pressure.
- Polymerize using the validated heat-curing cycle specified for the denture base system.
- After polymerization, allow the flask to cool appropriately before opening to minimize internal stresses and distortion.

- Deflask carefully, trim excess material, finish, and polish the prosthesis using standard laboratory procedures.
- Thoroughly clean the completed prosthesis before delivery to the patient.

Important: The exact powder-to-liquid ratio, dough-forming time, curing temperature, and curing duration must follow the validated specifications of the complete Prevalent heat-cure denture base system.

WARNINGS & PRECAUTIONS

- For professional dental laboratory use only.
- Liquid and vapour are highly flammable. Keep away from heat, sparks, open flames, hot surfaces, and other ignition sources.
- Methyl methacrylate is volatile. Use only in a well-ventilated area or with appropriate local exhaust ventilation.
- Avoid breathing vapour.
- Avoid contact with skin and eyes. MMA may cause irritation and allergic skin sensitization.
- Wear suitable protective gloves and protective eyewear when handling the liquid.
- Do not ingest.
- Keep the container tightly closed when not in use to prevent evaporation and contamination.
- Do not use near equipment or processes capable of generating sparks or flames.
- Do not return dispensed liquid to the original bottle.
- Improper powder/liquid proportion or curing may result in increased residual monomer, porosity, dimensional changes, or reduced mechanical properties.
- Do not use the liquid alone intraorally or apply directly to oral tissues.
- Keep out of reach of children.

ACCIDENTAL EXPOSURE

Eyes: Immediately rinse cautiously with plenty of clean water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing and seek medical attention.

Skin: Remove contaminated clothing and wash the affected area thoroughly with soap and water. If irritation or sensitization develops, seek medical attention.

Inhalation: Move the affected person to fresh air. Seek medical attention if respiratory irritation, dizziness, or other symptoms persist.

Ingestion: Rinse the mouth. Do not induce vomiting. Seek medical attention promptly.

CONTRAINDICATIONS

Do not use:

- In patients with a known hypersensitivity to methyl methacrylate, methacrylates, or other components of the finished material.

- For direct intraoral application of the liquid monomer.
- With incompatible denture base powders or materials.
- For applications outside the intended purpose of the product.

POSSIBLE ADVERSE EFFECTS

Exposure to uncured methyl methacrylate may cause:

- Skin, eye, or respiratory irritation.
- Allergic contact dermatitis or sensitization.
- Headache, dizziness, or discomfort following excessive vapour exposure.

The properly processed prosthesis should be adequately polymerized according to the validated curing cycle to minimize residual monomer.

STORAGE

- Store in a cool, dry, well-ventilated place, away from direct sunlight, heat, sparks, open flames, and other ignition sources.
- Keep the bottle tightly closed and in its original container when not in use. Do not store near oxidizing agents or incompatible chemicals. Do not use after the expiry date indicated on the packaging.

SHELF LIFE

Refer to the expiry date stated on the product packaging.

PRESENTATION

Ref. No.: PL-0247 – Prevalent Heat Cure Acrylic Denture Base Material Liquid – 1 × 400 mL Bottle

DISPOSAL

Dispose of unused or expired liquid and contaminated materials in accordance with applicable local regulations for flammable chemical waste. Do not pour significant quantities into drains or release into the environment. Keep discarded material away from ignition sources.

CONTACT

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Failure to comply with the specified storage conditions may alter the working characteristics of the material and reduce its shelf life.

The manufacturer is not responsible for any loss of quality resulting from non-compliance with the specified conditions for transportation, storage, and use of this product. The user assumes full responsibility for using the material for any purposes other than those specified by the manufacturer. This material is intended solely for professional dental use. Application must be carried out strictly according to the instructions for use. The manufacturer accepts no liability for damages resulting from failure to follow the provided instructions or for use beyond the stipulated applications. The user is responsible for assessing the material's suitability for any purpose not explicitly stated in this instruction sheet. The descriptions and data provided do not constitute a warranty of attributes and are not legally binding.

This product is specially formulated for use in dentistry and to be used by qualified dental personnel

 Symbol for "TEMPERATURE LIMITATION"

 Symbol for "KEEP OUT OF THE REACH OF CHILDREN"

 Symbol for "DO NOT USE IF PACKAGE IS DAMAGE"

 Symbol for "KEEP AWAY FROM SUNLIGHT"

 Symbol for "MANUFACTURER NAME & ADDRESS"

 Symbol for "CONSULT INSTRUCTION FOR USE"

 Symbol for "CATALOGUE NUMBER"

 Symbol for "MEDICAL DEVICE"  Symbol for "KEEP DRY"

 Symbol for "DO NOT RSTERILE"

 Symbol for "BATCH CODE"  Symbol for "CAUTION"

 Symbol for "USE BY"

 Symbol for "FLAMMABLE MATERIAL"

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