



Heat Cure Monomer

INTENDED USE:

To be used in conjunction with MAARC heat cure polymer for fabrication of:

1. Removable complete denture
2. Removable partial denture
3. Orthodontic appliances
4. Oral & Maxillofacial prosthesis
5. Obturators
6. Relining & Rebasement of dentures.

COMPOSITION:

Methyl Methacrylate monomer & additives

Product Color: Clear.

PRODUCT DESCRIPTION & PRODUCT HANDLING:

1. Heat-cured acrylic denture resin liquid is methyl methacrylate monomer used in conjunction with heat cure acrylic resin powder to make various removable oral & maxillofacial prostheses and pan-facial prosthesis.
2. The ideal working time (dough like phase) enables the dental technician to mould the material as per requirement.
3. High mechanical strength, minimal residual monomer, longer retention of the color are some of the exceptional features. The surface has a high luster and negligible porosity making it ideal for the fabrication of prosthesis.

RECOMMENDED PROPORTION OF MIXING :

5ml Liquid to 10cc Powder (sold separately or as a kit)

INSTRUCTIONS FOR USE:

1. The residual wax after dewaxing should be thoroughly flushed out with boiling water.
2. Apply separating medium to the gypsum surface other than the mould space and allow to dry thoroughly.
3. Dispense 5 mL of liquid into a mixing cup, then add 10cc of powder to the liquid by tapping the dispensing jar. Do not mix the powder and liquid using a spatula to avoid air entrapment.
4. The mixture attains mouldable state / dough-like consistency within 20 - 30 seconds from start of mix. Remove the dough in one piece from the mixing jar without producing air bubbles and pack it into the model invested in the flask.
5. The resin can be manipulated to the desired usage (placed and pressed into the area intended) within 8 minutes from start of mix.
6. After packing the resin into the mould space, it is left to bench cure for 30 minutes under pressure of 30-85 pounds per square inch.
7. The polymerization is carried out by heat activation, the technique involves processing the resin in either of the curing cycles - a) 74°C water bath for 8 hours and then increasing the temperature to 100°C for 1 hour or b) 74°C water bath for 2 hours and then increase the temperature of the water bath to 100°C for 1 hour.
8. After deflasking put the processed denture into a plaster dissolvent, to clean the denture.

NOTE:

To be used in conjunction with MAARC Heat cure polymer only, using acrylic powder from other manufacturers may hamper polymerization and efficiency of the device.

CAUTION / WARNING:

1. Ensure device to be used only by a qualified dentist or dental technician.
2. Keep the liquid away from direct sources of heat, as it is flammable.
3. Unset material should not be inserted into the patient's mouth, as the liquid may cause irritation to the mucosal surface.
4. Avoid exposure of the unset mixture to direct flame or heat as it may cause vaporization of the monomer and affect the dimensional stability of the set resin. The unset liquid may boil or ignite.
5. The recommended disinfectant solution for the compound is 2% chlorhexidine solution.

PRECAUTIONS:

- 1) Avoid contact with eyes, avoid inhalation of the liquid. Do not take internally.
- 2) Skin Contact: if unset material comes in contact with skin, it may cause skin burn / sensitization, if contact with skin occurs immediately remove excess material and cleanse with soap and water on contacted part. If skin rash and sensitization or other allergic reaction occurs seek medical attention.

CONTRAINDICATION:

It should not be used with patients who have a history of allergic reaction to any of the components or resins based on methacrylates or acrylate.

INTERACTIONS WITH OTHER DENTAL MATERIALS:

No such Reactions Noted . Kindly communicate and inform manufacturer in details of any instance.

ADVERSE REACTIONS:

Mild allergic reaction to the monomer have been reported in use of similar products from other manufacturers. The reaction may present as a mild irritation to ulcers in the mucosa contacting the resin. In case of allergic reaction, kindly advise the patient to discontinue the use of denture and consult the dentist at the earliest. Kindly communicate and inform manufacturer in details of any instance.

STORAGE CONDITIONS:

- 1) Keep Away from Direct sunlight and heat source
- 2) Keep locked up and out of the reach of children.
- 3) Store at Temp. between 10°C to 30°C.
- 4) Shelf life is not affected after opening if stored in a cool dry place.

DISPOSAL CONDITIONS:

Dispose in accordance with local, state and federal environmental regulations.

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

Manufactured by:

Shiva Products

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These instructions for use should be kept for the duration of product use.



Symbol for "BATCH CODE"



Symbol for "USE BY"



Symbol for "NON STERILE"



Symbol for "KEEP DRY"



Symbol for "CAUTION"



Symbol for "CONSULT INSTRUCTION FOR USE"



Symbol for "CATALOGUE NUMBER"



Symbol for "EUROPEAN COMMUNITY AUTHORIZED REPRESENTATIVE"



Symbol for "DO NOT USE IF PACKAGE IS DAMAGE"



Symbol for "KEEP OUT OF THE REACH OF CHILDREN"



Symbol for "MANUFACTURER NAME & ADDRESS"



Symbol for "FRAGILE"



Symbol for "TEMPERATURE LIMITATION"



Symbol for "KEEP AWAY FROM SUNLIGHT"



Symbol for "FLAMMABLE"

The material has been developed solely for professional dental use. Application should be carried out strictly according to the instruction for use. Liability cannot be accepted for damages resulting from failure to observe the instructions of the stipulated area of applications. The user is responsible for testing the material for its suitability and use for any purpose not explicitly stated in this instruction sheet. Description and data constitute no warranty of attributes and are not binding.