

## Cold Cure / Self Cure Monomer

### INTENDED USE:

To be used in conjunction with MAARC self cure polymer for

1. Repair & relining of dentures
2. Custom impression trays
3. Orthodontic appliances
4. Maxillofacial prosthesis
5. Provisional inlays and crowns
6. Temporary bridges.

### COMPOSITION:

Methyl Methacrylate monomer, Additives & Colouring agent.

### PRODUCT DESCRIPTION & PROPERTIES:

**Self cure monomer can be colourless or pigmented. It is the monomeric component of self-cure acrylic resin.**

Self cure acrylic resin is a chemically setting acrylic resin used in a variety of applications in dentistry in either dough form or brush-on technique or injection molding technique.

**Product Color:** Clear / tinted.

### PROCEDURE FOR USE & PRODUCT HANDLING:

Recommended Proportion of mixing / Powder: Liquid ratio: 13cc Powder (sold separately or as a Kit) to 10ml Liquid

#### In Dough technique:

1. Dispense 10 mL of liquid into a mixing cup, then add 13cc of powder.
2. Mix the powder and liquid quickly using a spatula for 10 - 15 seconds.
3. The mixture attains mouldable state / dough-like consistency within 20 - 30 seconds from start of mix.
4. The resin can be manipulated (placed and pressed into the area intended) within 2 minutes from start of mix.
5. The chemical cure or polymerization reaction starts after 2 minutes
6. After the resin is completely hardened, contour and polish the surface.

#### In brush-on technique:

1. In case of repair of denture base, clean the denture by brushing with soap and water, grind off the old surface that needs to be repaired and roughen the surface using a sandpaper disc.
2. Dispense an adequate amount of powder and liquid into 2 separate dishes.
3. Dip the tip of the brush into the liquid and apply it to the area intended to be repaired.
4. Re-dip the brush into the liquid. Gently stir the powder so that the powder sticking to the brush attains the shape of a ball and can be applied to the area intended for repair.
5. Repeat the procedure to create the intended shape.
6. To protect surfaces not to be bonded, such as acrylic teeth, interproximal areas, outer ridge of denture, opposing denture, any acrylic fillings, jackets or bridges, coat all surfaces with separating media or mineral oil.
7. After the resin is hardened completely, contour and polish the surface.

#### In Injection Moulding Technique:

1. Dispense 10 mL of liquid into a mixing cup, then add 13cc of powder.
2. Mix them quickly using a spatula for 10 - 15 seconds.

3. After mixing, quickly pour the mixture into the silicone impression, exercising caution to avoid entrapping air bubbles. In order to minimize incorporation of air bubbles during polymerization, pressure-curing using a curing unit is recommended.
4. After the resin is hardened, contour and polish the surface.

**NOTE:** To be used in conjunction with MAARC cold cure polymer only, using polymers from other manufacturers may hamper polymerization and efficiency of the device. After the polymerization is complete, allow to bench cure for 20 minutes. It is advised to leave the fabricated prosthesis in water during finishing and polishing. Advise the patient to keep the prosthesis moist when not in use.

### CAUTION / WARNING:

1. Ensure device to be used only by a qualified dentist or dental technician.
2. Avoid exposure to any kind of heat source as the liquid 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 cured resin 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 severe allergic reaction to any of the components.

### 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 or any source of heat.
- 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.**

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.

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