



#### FOR TOPICAL USE ON ANIMALS

##### Product Description

The active ingredients in Membra are a proprietary formulation of Polyethylene glycol (PEG) formed by the reaction of multi-arm PEGylated compounds.

##### Indication

Membra is a long lasting, liquid bandage product for clear, flexible coverage and protection of incision sites and wounds.

##### Storage Information

Store in a cool, dry place <math>8^{\circ}\text{C}</math> (<math>46^{\circ}\text{F}</math>), relative humidity below 70%. Membra should be kept refrigerated or frozen to maximize shelf life.

##### Directions for Use

To ensure product integrity, inspect the packaging before use to confirm that the vacuum seal is intact. Membra has been shown to remain on the application site up to two weeks. Membra degrades and can be reapplied after a standard wound cleaning if needed.

Take out prior to use: 60 minutes if frozen and 30 minutes if refrigerated. Place back in cold storage if not used within 5 hours at room temperature. Room temperature is most ideal for standard application. Any unopened unused product should be placed back in cold storage as soon as possible. Note: If the Membra product is used at colder than room temperature, it will take longer to gel.

1. Confirm the pouch has not been tampered with prior to opening. Open the pouch and remove syringes and brush tip. Discard the oxygen and freshness packets.
2. Remove the brush from the brush holder.
3. Remove the caps from both syringes and connect the syringes together.
4. Mix the content of the two (2) syringes by pushing the plungers back and forth for approximately 30 strokes. This should be approximately 10-15 seconds. Mixture should look foamy and completely dissolved.
5. Push all the liquid into the male syringe and disconnect the two syringes. Attach the brush tip to the syringe with the liquid polymer and discard the empty syringe. **APPLY POLYMER IMMEDIATELY AFTER MIXING FROM THIS POINT YOU HAVE APPROXIMATELY 60 SECONDS TO APPLY THE POLYMER BEFORE IT BECOMES TOO VISCOUS.**
6. Push the plunger until the polymer dispenses into the brush tip. Brush the polymer onto the wound area evenly and completely.
7. The liquid will turn into a gel and should stop flowing approximately 60-120 seconds after the mixing start time.\* Any open product should be used of or disposed of.

\*Note: A single Membra packet contains enough polymer to cover a 15cm<sup>2</sup> wound area. You may observe runoff of excess polymer away from the application site but this is not detrimental to application or performance of the product.

##### Mechanism of Action

Membra acts by forming a thin, flexible layer over the site or wound. Membra is initially applied as a liquid and quickly gels into a flexible solid. The initial liquid phase of Membra allows it to cover small and irregular spaces. The subsequent solid phase forms a barrier that protects and covers the incision site or wound.

##### Contraindications

Membra is not intended as a wound or incision closure device and should not be used on wounds that are actively bleeding or seeping heavily.

##### Precautions

Ensure that the wound is clean and as dry as possible. The wound should be disinfected prior to applying this product.

##### Warnings

Not for human use. Keep out of reach of children. If contact with eyes or skin occurs, rinse with water and seek medical attention. If swallowed, get medical help or call a Poison Control Center right away. Avoid spilling on furniture or clothing. For medical emergencies, consult your physician. Do not use if the expiration date has been exceeded

##### Adverse Reactions

If ingested in the liquid form, the liquid is not expected to form a gel. If ingested in solid form, the gel is nontoxic and biodegradable. In studies to evaluate the safety of Membra, there have been no adverse reactions to date.

##### Animal Safety

Safety studies have shown there is no inflammation or toxicity associated with the administration of Membra. This polymer has passed in vitro cytotoxicity (ISO 10993-5) and hemolysis (ISO 10993-4) tests with no evidence of cytotoxicity or hemolysis. Preliminary safety studies in which the proprietary formulation was studied in animals have also shown no inflammation or toxicity.

##### How Supplied

Membra is supplied in a foil package containing two syringes and one brush tip. One female syringe contains solid white powder and the male syringe contains phosphate buffer solution.

#### SYMBOL DEFINITIONS



Lot Number



Expiration Date



Do Not Reuse



See Instructions For Use



Keep away from sunlight and heat



Do not use if package is damaged



Storage Temperature



Manufacturer:

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