

Are you aware that the surgical site infection complicates an estimated 5% of all operations performed annually in US hospitals?



In attempt to offer better pre operative skin preparation product

 **TORRÉL**
(Hospital Division)

A MEMBER OF TORRENT GROUP

Presents

Toroprep

A Film-Forming Surgical Solution for preoperative skin preparation

REDEFINING THE SCIENCE OF DISINFECTION

Why to go for outdated skin prepping product when a far superior product is available for “Skin Preparation?”

Toroprep

Why a film-forming surgical solution for preoperative skin preparation?

- Surgical site infection (SSI), the most common nosocomial infection complicates operations performed even in developed countries. It results in to longer and costlier hospitalizations.
- Recognizing the morbidity and economic burden, Centers for Disease Control (CDC) issued guidelines for the use of antiseptic agents for skin preparation. This resulted in to the fall of incidence of surgical sepsis.

Why Alcohol+CHG based preoperative skin preparation?

- ❖ Isopropyl alcohol is the most effective broad-spectrum antimicrobial antiseptic agent. The combination of Isopropyl alcohol with Chlorhexidine gluconate have greater efficacy, easier applications, longer duration of action that is up to 6 hours and cost effectiveness, makes it popular preoperative skin preparation among surgeons. It has additional utility in certain urologic procedures. **It’s a one step preparation as opposed to a scrub-and-paint technique.**

Indications:

Toroprep- Film-forming Surgical Solution is indicated for use as a preoperative skin preparation prior to major and minor surgical procedures. It helps to reduce micro organisms that can potentially cause skin infection.

Dosage and Administration:

- 1) Single use topical application.
- 2) Use the right sterile applicator .For head, neck and small prep areas and for large prep areas below the neck

Contraindications:

Do not use: 1) On patients with known allergies to chlorhexidine gluconate or any other ingredient of the product.2) For lumbar puncture or in contact with the meninges 3) On open skin wounds or as a general skin cleanser

Storage and Handling:

Store between 20-30°C. Avoid freezing and excessive heat above 40°C

Skin Tolerance – Best residual effect – Broad Spectrum antimicrobial

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Advantages:

- Toroprep™ has a fast acting, broad-spectrum antimicrobial activity and persistent antimicrobial activity up to 6-hours post-prep.
- Toroprep™ contains two powerful antimicrobial agents:
Chlorhexidine gluconate disrupt the cell membranes of bacterial cells and Isopropyl alcohol also exhibits antiseptic properties, most likely resulting from protein denaturation. The synergistic effect of both the antimicrobial agents makes it a powerful skin prep product.

Both have long histories of use. No studies addressing the mutagenicity, carcinogenicity, or reproductive toxicity.

- Chlorhexidine has practically no or minimally absorption through mature intact adult skin, except in a small numbers of neonates. Rare or no skin irritation in any clinical study.

Directions for Use:

- 1) Completely wet the treatment area with Toroprep.
- 2) While removing applicator do not touch sponge. Discard the applicator after a single use. Not necessary to use the entire quantity available.
- 3) Use in well-ventilated area. Do not microwave or heat the solution applicator.
- 4) Apply to clean, completely dry, residue-free, incision sight. When hair removal is necessary and if a wet shave is used, thoroughly remove all soap residues.
- 5) Dry surgical sites. Use repeated back-and-forth strokes for 30 seconds. Use repeated back-and-forth strokes for 2 minutes for moist surgical sites (e.g., inguinal fold)
- 6) Do not allow solution to pool. Remove with tuck prep towels. Clean umbilicus with enclosed swabs. Avoid getting solution into hair. Hair may take up to 1 hour to dry. Wet hair could be flammable.
- 7) When prepping skin folds, toes, or fingers, use a sterile-gloved hand to hold skin apart until completely dry. Otherwise, skin may adhere to itself
- 8) To reduce risk of fire, begin draping and/or using cautery only after solution is completely dry and all wet materials are removed.
- 9) Over the time tint will slowly fade away from the skin. Alcohol may be used to remove the tint if desired.

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Warnings and Precautions:

FOR EXTERNAL USE ONLY. FLAMMABLE, KEEP AWAY FROM FIRE OR FLAME.

1. Keep out of eyes, ears, and mouth. If contact occurs, rinse with cold water right away and contact a doctor.
2. Use with care in premature infants or infants under 2 months of age.

Patient Counseling Information:

Visit our website or in emergency contact on +91-79-2970 1609/2970 1603

Composition:

Chlorhexidine gluconate IP 10% v/v (equivalent to 2% w/v Chlorhexidine gluconate) and Isopropyl alcohol 70% v/v

Packing: 500ml bottle clear, 500ml bottle tinted & 250 ml bottle tinted



500ml bottle clear



500ml bottle tinted



250 ml bottle tinted

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