Guarding skin from the outside in.

3M™ Cavilon™ No Sting Barrier Film
Clinically proven skin care.

Our skin reveals so much about us. It shows traces of a million smiles and is a canvas for our identities. Skin is also a reflection of our quality of health.

We understand that you are focused every day on improving clinical outcomes and patient satisfaction by preventing skin damage.

At 3M, we are unlocking unique solutions to protect skin by combining our unmatched expertise in polymer science with your clinical needs. As your partner in patient care, we provide the products you need for reducing the risk of skin damage while helping provide your patients’ and residents’ comfort and relief.
Many skin problems. One versatile solution.

Medical adhesive-related skin injuries (Marsi)
Marsi is the red, irritated skin that may occur on your patients when medical adhesives are removed. It can affect skin integrity, cause pain, increase risk of infection and delay healing, all of which reduce a patient’s quality of life.

Periwound skin damage
Patients with infected wounds or venous leg ulcers (VLUs) and associated oedema are especially at risk. Excessive hydration of periwound skin compromises the barrier function, making the epidermis more vulnerable to Marsi and damage from friction.

Peristomal skin damage
Caring for an ostomy can be a challenge. Skin injury is common, affecting up to 55% of patients with faecal diversions. Patients with a problem stoma and/or high output are especially vulnerable.

Incontinence-associated dermatitis (IAD)
IAD is a painful and problematic skin injury that results from exposure to urine and/or stool. Exposure to moisture and irritants triggers inflammation and changes that compromise the important barrier function of the epidermis.

3M™ Cavilon™ No Sting Barrier Film is the first line of defence for your patients’ or residents’ skin.

Cavilon No Sting Barrier Film is a versatile solution to help prevent skin breakdown before it happens and to protect already damaged skin from further injury.
Understanding the benefits of 3M™ Cavilon™ No Sting Barrier Film

Adhesive trauma, body fluids, and friction can quickly break down skin. Cavilon No Sting Barrier Film is the original, and only terpolymer based alcohol-free barrier film that provides protection from skin damage. Its unique formulation contains polymers that form a sting-free, waterproof, protective coating. It is breathable and transparent, allowing for continuous visualisation and monitoring of skin. It is flexible and conforms to the skin during movement or position changes.

- Versatile solution for many skin problems
- Compatible with chlorhexidine gluconate (CHG) and povidone iodine
- Fast-drying and non-sticky
- Hypoallergenic
- Sterile wands and wipes
- Sting-free and non-cytotoxic — can be used on intact and damaged skin
- Cost-effective

How Cavilon No Sting Barrier Film works

**Protection from Adhesive Products**

**Without Cavilon No Sting Barrier Film**
- Medical Tape or Dressing
- Skin Cells Removed

**With Cavilon No Sting Barrier Film**
- Medical Tape or Dressing
- Cavilon No Sting Barrier Film
- Cavilon No Sting Barrier Film is removed instead of skin cells

**Protection from Moisture/Irritants**

**Without Cavilon No Sting Barrier Film**
- Urine/Stool, Body Fluids, Wound Exudate
- Damaged Skin

**With Cavilon No Sting Barrier Film**
- Urine/Stool, Body Fluids, Wound Exudate
- Cavilon No Sting Barrier Film
Medical-Adhesive Related Skin Injury (MARI$)

Use of adhesives is a routine and necessary part of health care. Unfortunately, all too often MARI$ accompanies adhesive product use. Skin stripping and maceration can be especially problematic, causing pain and increased risk of infection, leading to poor patient experience and increased risk of infection.

Applying a barrier film prior to adhesive placement is an easy and effective intervention that can help protect against maceration and stripping injuries.¹

If you are using an alcohol-containing barrier film to protect skin, these formulations can have significant limitations which may include: CHG incompatibility, stinging, non-sterile, and the tendency to be sticky and slow to dry.

3M™ Cavilon™ No Sting Barrier Film is the ideal product to help you protect your patient’s skin around the IV Site. It is especially useful in situations where adhesive products are repeatedly changed.

- CHG compatible, breathable, fast drying and non-sticky²

Be aware of the risk of MARI$ around the IV Site

Infusion Nurses Society (INS) Standards of Practice #37: Vascular Access Device Stabilisation

1) Assess skin when the device is changed; anticipate potential risk for skin injury due to age, joint movement, and presence of oedema.

2) Apply barrier solutions to skin exposed to the adhesive dressing to reduce the risk of MARI$.

1 A recent study⁶ evaluated the effect of Cavilon No Sting Barrier Film on skin condition in patients with peripherally inserted central catheters (PICC).

With the use of Cavilon No Sting Barrier Film to protect the skin from adhesive dressing, a significant decrease in local skin complications was demonstrated.

| % Patients with skin complications* at second dressing change (PICC lines) |
|-----------------|-----------------|-----------------|-----------------|
| Without Cavilon No Sting Barrier Film | With Cavilon No Sting Barrier Film |
| 70% | 60% |

* rash/redness, peeling, maceration, adhesive transfer

n = 100

2 In a separate clinical evaluation of 33 patients, Cavilon No Sting Barrier Film was used to protect the skin. The following clinical observations were noted: reduced redness in 96% of patients who were at risk; maceration was prevented in 94% of patients, and skin stripping was prevented in 100% of patients.⁷
Periwound Skin Damage

Excessive hydration compromises barrier function, making the epidermis more vulnerable to MARSI and damage from friction. If untreated this can result in delayed healing of the wound, increased risk of a secondary infection, and patient discomfort.

Experts agree that a protective moisture barrier should be used to protect the wound edge and any surrounding skin exposed to wetness.\textsuperscript{8, 9}

Traditional protective products such as petrolatum and zinc-oxide based creams and ointments can have significant drawbacks including:

- Occlusiveness which can trap moisture on the skin
- Multi-ingredient formulations that contain preservatives and fragrances that can sensitise skin – a special concern in patients with venous disease.

\textbf{3M™ Cavilon™ No Sting Barrier Film provides you with a better option – one that has been shown to be more patient and clinician-friendly. It repels moisture and doesn’t require removal, unlike creams and ointments.}

1. A clinical study compared the outcome of venous leg ulcers with multilayer bandaging with and without the use of Cavilon No Sting Barrier Film. An improvement in venous ulcer condition was noted when Cavilon No Sting Barrier Film was used on the periwound skin as a protective barrier between the skin and the wound drainage.\textsuperscript{10}

2. In a study of patients with highly exuding diabetic foot ulcers, 70% of the ulcers showed a healthy edge or less exudate after 30 days of use of Cavilon No Sting Barrier Film ($p<0.05$).\textsuperscript{11}

3. In other studies, when compared to traditional products for skin protection Cavilon No Sting Barrier Film was more caregiver/patient friendly, allowed for better visualisation of the wound edges, and was quicker to apply in the clinical setting than traditional products for wound edge protection.\textsuperscript{12, 13}
Peristomal Skin Damage

Pouch security is critical to the comfort and well-being of the patient and maintaining intact skin is critical to pouch adherence.

Damage can easily occur when the skin is exposed to effluent with inflammation progressing to erosion. Being proactive by using an alcohol-free barrier film is a proven strategy for protection of peristomal skin.¹⁴

3M™ Cavilon™ No Sting Barrier Film is uniquely formulated to protect skin from stool, urine, and adhesives. Its non-cytotoxic², alcohol-free formulation allows for patient comfort, even when skin is damaged.

In a health economic study that included 981 subjects, Cavilon No Sting Barrier Film was proven to be cost-effective, significantly reducing the product cost and nursing time associated with incontinence skin care versus traditional skin care protocols using barrier ointments or creams.³

In a study of 30 patients with peristomal dermatitis, use of Cavilon No Sting Barrier Film to protect peristomal skin, resulted in an improved clinical condition and quality of life (HR QOL). They also noted reduced pain and cost.¹⁶

Incontinence-Associated Dermatitis (IAD)

Incontinence-Associated Dermatitis can range from mild to severe with friction being a key contributing factor. When the patient is incontinent you want effective, comfortable protection from moisture, irritants and friction. Ointments and pastes can repel moisture but can worsen friction, and cleaning can mean removing a sticky mess.

3M™ Cavilon™ No Sting Barrier Film is especially suited for protection of intact (category 1) or damaged (category 2) skin and meets all the characteristics of an ideal product for IAD.¹⁷,¹⁸

Use of Cavilon No Sting Barrier Film showed a benefit for peristomal irritation.¹⁵ Both stoma therapy clinic staff and patients found the product to be:
- Easy and pain-free to apply
- Rapid drying
- Allowed for visual skin monitoring.

Incontinence-Associated Dermatitis (IAD)
Ordering Information

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For More Information

For more information, please call: 1300 363 878 (Australia) or 0800 80 81 82 (New Zealand) or visit our websites: www.Cavilon.com.au www.Cavilon.co.nz

References:

2. 3M Data on file.
6. George M. Role of skin protectant in reducing the local complications in PICC lines. Poster presentation at the 2013 meeting of the Infusion Nursing Society.

MARSI Evidence References:


PeriWound Evidence References:


IAD Evidence References:

18. 3M data on file.

Additional Uses

Cavilon No Sting Barrier Film can also be used in the following applications:
- To provide peri-tube and device protection from drainage, bodily fluids and friction
- To reduce the risk of friction on at risk skin – such as pressure points and during repositioning
- To provide protection from moisture in skin folds

Peristomal Evidence References:

15. Bacelet V, Ribal A. Clinical Experience with an alcohol-free skin protectant 3M Cavilon No Sting Barrier Film. Poster presentation.
16. Seedapalee N. The Result of Quality of Life (HR-QOL) and Peristomal Skin Dermatitis Treatment by Alcohol-Free Barrier Film Skin Protection. Poster Presentation at the 5th Congress of Asia Pacific Enterostomal Therapy Nurses Association (APETNA). Seoul, South Korea. 2012.

IAD Evidence References:

18. 3M data on file.