

Cutania[®] MalaSpray

Convenient, Safe & Effective Dermatitis Management
Helps Fight Antibiotic and Azole Resistance



For Dogs, Cats
& Horses

Antimicrobial, Keratolytic, Lipolytic, Drying, and Deodorizing Dermatological Convenient No Rinse Spray to Prevent Recurrence in Chronic Conditions and First Line of Defense Against *Malassezia*, Mixed Infections and Keratinization Disorders

Introduction

Topical treatment is extremely important for the management of many dermatological processes. It can be applied in different pharmaceutical forms (shampoos, sprays, wipes, lotions, ointments, creams and gels), the choice of which depends on different factors: the nature and extent of the lesions, the animal's character and the availability and willingness of the owner.

The genus *Malassezia* includes a group of yeasts that are commonly found on the dog's body surface and some mucosa. Different factors can change *Malassezia* spp. population from a commensal to a pathogenic agent. One of the most common clinical signs of *Malassezia* dermatitis are pruritus and rancid odor. Other clinical signs can include erythema, oily skin, scaling and crusting. *Malassezia* dermatitis may be involved in other dermatological pathologies such as keratinization disorders, atopic dermatitis, pyoderma or endocrine diseases.

Keratinization disorders are a result of disruption of keratinocyte division, maturation and shedding. They can be primary or secondary to other pathologies such as atopy, allergic dermatitis, food allergy, bacterial folliculitis or dermatophytosis. Bacterial or yeast secondary infections may worsen epidermal damage and can cause pruritus and inflammation. Management of keratinization disorders includes correction of the primary etiology, removal of debris and crusts, reduction of keratinocyte turnover, restoration of skin barrier and control of secondary infections.

Atopic dermatitis is an inflammatory disease. It has an important genetic component and is mainly due to the immune response to allergens. In atopic dermatitis, the stratum corneum is damaged, so that the skin's barrier does not properly function and may favor exposure to *Malassezia* spp.

In skin disorders, topical therapy, in combination with systemic therapy helps to achieve faster and better results, especially in generalized conditions. It also reduces the relapse of recurrent infections, which in some cases, systemic treatment options are limited due to the increasingly frequent multi-resistance. The choice of the proper product for each case is essential for owner's compliance with the veterinarian recommendations. The use of no rinse sprays can be an optimal solution for animals reluctant or scared to bathe, that take off (like cats), large breeds or owners with limited time.

Active ingredients

Boric acid	2 %
Glycolic acid	2 %
Ceramides	0.5 %

Also contains: Water, glycerin USP, propanediol, octylphenol ethoxylate, cetrimonium, polysorbate 20, fragrance, DMDM hydantoin.



8 fl. oz.
236 ml

Characteristics

- Convenient Leave-on, Dry-on Spray to aid in topical treatment of non-complicated dermatitis associated with yeast such as *Malassezia*.
- Increases owner's compliance with veterinarian recommendations.
- Supports the management of keratinization disorders.
- Helps to break *Malassezia*-seborrhea cycle.
- Antibiotic and azole free - Helps rationalize the use of antibiotics and azoles, helping fight resistance and preserving their efficacy.
- Keratolytic and lipolytic action – With glycolic acid.
- Exfoliant action:
 - Helps combat infection by eliminating dead cells, giving the active ingredients better contact with deeper skin layers.
 - Promotes renewal of epithelial cells.
- Ceramides restore epithelium and skin barriers.
- Synergistic effect of boric and glycolic acids allows a deep cleansing action.
- Pleasant scent – Helps fight unpleasant odor associated with *Malassezia*.
- Suitable for short- and long-term use.
- For localized or widespread use.
- Easy to apply - For animals that are difficult to handle, easily scared or difficult to bathe.
- Water-based - Reaches the most inaccessible areas without caking.
- Can be combined with CUTANIA[®] MalaBath for a maximum effect.
- Phosphates, parabens, and DEA free.
- For dogs, cats and horses.

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Mechanism of Action

- Glycolic acid as an Alpha-Hydroxy Acid (AHA) is a natural water-soluble acid derived from fruits and plants. AHAs have excellent exfoliant and keratolytic properties and help to remove the top layers of dead skin cells. Glycolic acid is the smallest and most potent AHA and penetrates the skin more effectively. It exhibits a strong pH-dependent antibacterial activity by disrupting bacterial cell membranes. Glycolic acid is also a humectant.
- Boric Acid is a weak acid with acidifying and astringent (drying) effects. It has also been shown to be effective against *Malassezia* infections.
- Ceramides provide a healthy protective epidermal barrier as they play a role in normal barrier function and dermis cell organization.



Cautions

Avoid contact with eyes.

Recommended Use

- For first line of treatment of non-complicated *Malassezia* dermatitis.
- For maintenance/preventative treatment of skin with:
 - Chronic *Malassezia*.
 - Excess scaling.
 - Kerato-seborrheic disorders.
 - *Malassezia* overgrowth associated to other disorders.
- For support therapy for complicated dermatitis.
- As a complement or reinforcement to CUTANIA[®] MalaBath to:
 - Reduce the frequency of baths.
 - Multiply its effects.
 - Facilitate handling.
- For maintaining healthy skin with antimicrobial and antifungal effects, especially in swimming dogs or those who live in a humid environment.

Directions for Use

- Shake well before using.
- For animals with long hair, spray against the grain, then massage to make sure product reaches all the damaged skin.
- **Dry use:**
 - Spray directly and uniformly over the affected area until completely wet and let dry. Can be used over the hair and skin for general conditions.
- **After bath – Wet use:**
 - Towel dry excess moisture and spray directly and uniformly and allow to dry.
 - Combine it with CUTANIA[®] MalaBath to multiply its effects.
- Repeat application greasy and malodorous skin.
- Can be used once or twice a day or as directed by your veterinarian.