

RELIEF OF SKIN IRRITATIONS



Information for **Health Care Professionals**



MINOR BURNS • CHAPPED SKIN • DRY SKIN CUTS • SUNBURN • SCRAPES • CHAFING

Calendula officinalis (garden marigold) is a plant native to southern Europe and widely cultivated in North America. Its flowers have been used topically for generations to naturally heal cuts, scrapes, rashes, and skin irritations. We now know Calendula's healing properties are attributed to the presence of flavonoids, carotenoids, alkaloids, and other substances. The extracts of the flowers have been shown to aid skin healing by stimulating re-epithelialization of damaged tissue. Similarly, homeopathic Calendula preparations have been recognized as healing agents.

Boiron offers three different topical forms of Calendula (**cream, gel, and ointment**) optimized for different types of skin damage. The plants used in these formulas are grown without pesticides or fertilizers and are harvested fresh during their flowering period by European growers who follow strict specifications for cultivation. The homeopathic tincture is prepared by hydro-alcoholic maceration at room temperature to ensure the active compounds are present in the medicine. Boiron Calendula topicals are **free of fragrances, dyes, and parabens**.

Boiron Calendula is available over the counter and health professionals can also purchase direct from Boiron.

**RELIEF OF
SKIN IRRITATIONS**

HOW IT WORKS

ADVANTAGES

**SIDE EFFECTS/
DISADVANTAGES**

MEDICINES

<p>Boiron Calendula Topicals (<i>Calendula officinalis</i> or garden marigold)</p>	<p>Healing agent; aids healing of cuts, scrapes, chafing, minor burns, and sunburn.</p>	<p>Plant-based active ingredient.</p>	<p>Low potential for sensitization after frequent skin contact with concentrated extracts.</p>
<p>Antibiotic ointments (bacitracin, polymyxin B)</p>	<p>Local antibiotic action.</p>	<p>First aid to decrease the risk of infection.</p>	<p>Possibility of allergic reactions; change in the local bacterial flora and bacterial resistance; no direct action on epithelial regeneration.</p>
<p>Sunburn lotion with lidocaine</p>	<p>Topical anesthetic with moisturizers.</p>	<p>Quick relief.</p>	<p>Possibility of rare allergic reaction to lidocaine; possibility of systemic action when administered on large and damaged areas; no action on damaged skin.</p>
<p>Aloe vera lotion</p>	<p>Moisturizing action; may speed up wound healing.</p>	<p>Natural origin.</p>	<p>May cause mild skin irritation.</p>
<p>Tea tree oil</p>	<p>Local antiseptic and antifungal action.</p>	<p>Natural origin.</p>	<p>External use only; strong odor; risk of sensitization.</p>
<p>Zinc oxide/ lanolin ointment</p>	<p>Astringent and occlusive action.</p>	<p>Good healing action; isolates skin from irritants.</p>	<p>Strong odor and risk of allergic reaction to lanolin; difficult to apply.</p>



BOIRON'S MANUFACTURING PROCESS

Boiron uses fresh, flowering tops of *Calendula officinalis* to prepare a tincture according to the *Homeopathic Pharmacopoeia of the United States*. This method is done with water and alcohol at room temperature to preserve the main active ingredients, especially those sensitive to heat. The plants are cultivated in Europe without the use of fertilizers or pesticides, and are thoroughly controlled before and after extraction as required by pharmaceutical Good Manufacturing Practices (GMPs).

In homeopathy, Calendula is used topically and internally as an analgesic and antiseptic.¹ Calendula extracts stimulate the proliferation and migration of fibroblasts and promote formation of granulation tissue during re-epithelialization of damaged skin.²⁻³ Extracts of Calendula have been shown to stimulate the formation of new blood vessels (angiogenic properties), as well as to increase fibroblastic activity and anti-inflammatory and antibacterial properties in burns.⁴⁻⁵ It seems these effects are due to more intensive metabolism of glycoproteins, nucleoproteins, and collagen proteins during the re-epithelialization.⁶⁻⁷

Several reviews describe in detail the advantages and limits of Calendula extracts in medically-induced skin irritations.⁸

SAFETY

Calendula extracts are widely used in cosmetic preparations. Rare cases of sensitization have been reported, especially when used in conjunction with other preparations containing Compositae family plants.⁹

According to Acne.org, none of the inactive ingredients listed in Boiron Calendula topicals are comedogenic. However, we recommend using only an astringent, non-greasy topical for skin prone to acne, after proper cleansing.

The Boiron Calendula line should be used only for its labeled indications.

EACH FORM OF BOIRON CALENDULA IS DESIGNED FOR SPECIFIC USES

CALENDULA CREAM

Creamy, water-based emollient for:

- Minor burns and sunburns (cream does not contain SPF)
- Cuts and Scrapes
- Chafing



CALENDULA GEL

Non-greasy, water-based astringent that is quickly absorbed to provide cooling effect for:

- Razor burn
- Brush burn
- Rashes
- Insect stings and bites



CALENDULA OINTMENT/CALENDULA BURN

Moisturizing emollient adheres to skin longer for:

- Dry or cracked skin (e.g. feet, elbows, knees)
- Chafed or chapped skin
- Scrapes, cuts, and minor wounds
- Minor burns
- Blisters



References

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2. Fronza M, Heinzmann B, Hamburger M, Laufer S, Merfort I. Determination of the wound healing effect of Calendula extracts using the scratch assay with 3T3 fibroblasts. *Journal of Ethnopharmacology*. 2009;126(3):463-467. doi:10.1016/j.jep.2009.09.014.
3. Preethi KC, Kuttan R. Wound healing activity of flower extract of Calendula officinalis. *Journal of Basic and Clinical Physiology and Pharmacology*. 2009;20(1):73-79. doi:10.1515/jbcpp.2009.20.1.73.
4. Parente LML, Júnior RDSL, Tresvenzol LMF, Vinaud MC, Paula JRD, Paulo NM. Wound healing and anti-inflammatory effect in animal models of Calendula officinalis L. growing in Brazil. *Evidence-Based Complementary and Alternative Medicine*. 2012;2012:1-7. doi:10.1155/2012/375671.
5. Chandran PK, Kuttan R. Effect of Calendula officinalis flower extract on acute phase proteins, antioxidant defense mechanism and granuloma formation during thermal burns. *Journal of Clinical Biochemistry and Nutrition*. 2008;43(2):58-64. doi:10.3164/jcbn.2008043.
6. Klouček-Popova E, Popov A, Pavlova N, Krústeva S. Influence of the physiological regeneration and epithelialization using fractions isolated from Calendula officinalis. *Acta Physiologica Et Pharmacologica Bulgarica*. 1982;8(4):63-67.
7. Leach MJ. Calendula officinalis and wound healing: a systematic review. *Wounds*. 2008;20(8):236-243.
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9. *PDR for Herbal Medicines*. 4th ed. Montvale, NJ: Thomson PDR; 2007.



Calendula



CREAM 2.5 oz

Drug Facts

Active ingredient Calendula officinalis **Purpose** Healing agent
1X HPUS 10%

The letters "HPUS" indicate that the component in this product is officially monographed in the Homeopathic Pharmacopoeia of the United States.

Uses*

- helps promote healing of:
 - cuts
 - scrapes
 - chafing
 - minor burns
 - sunburn
- protects skin

Warnings

For external use only.

Do not use if you are allergic to Calendula officinalis or to any of this product's inactive ingredients.

When using this product
do not get into eyes

Ask a doctor before use in case of deep or puncture wounds, animal bites, or serious burns.

Stop use and ask a doctor if condition persists for more than 3 days or worsens.

Keep out of reach of children. If swallowed, get medical help or contact a Poison Control Center right away.

Directions

For minor burns, immediately run cool water on the burn for several minutes and pat dry. Then apply a thin layer of Calendula Cream to affected area 3 times a day or as needed.

For cuts, scrapes, chafed skin, and sunburn, first cleanse the area with mild soap, rinse, and pat dry. Then apply a thin layer of Calendula Cream to affected area 3 times a day or as needed.

Other information

- do not use if glued carton end flaps are open or if the tube seal is broken
- store at 68-77°F (20-25°C)

Inactive ingredients alcohol, caprylyl glycol, cetyl palmitate, glycerin, lauroyl macroglycolglycerides, pegoxol-7 stearate, purified water, sodium hydroxide, sorbic acid, 1,2-hexanediol

Questions or comments?

BoironCalendula.com | BoironUSA.com
Info@Boiron.com
1-800-BOIRON-1 (1-800-264-7661)

GEL 1.5 oz and 2.6 oz

Drug Facts

Active ingredient Calendula officinalis **Purpose** Healing agent
1X HPUS 7%

The letters "HPUS" indicate that the component in this product is officially monographed in the Homeopathic Pharmacopoeia of the United States.

Uses*

- helps promote healing of skin irritations such as:
 - rashes
 - razor burn
 - insect bites or stings

Warnings

For external use only. Avoid contact with eyes.

Do not use if you are allergic to Calendula officinalis or to any of this product's inactive ingredients.

Ask a doctor before use in case of deep or puncture wounds, animal bites, or serious burns.

Stop use and ask a doctor if condition persists for more than 3 days or worsens.

Keep out of reach of children. If swallowed, get medical help or contact a Poison Control Center right away.

Directions

- First cleanse the area with mild soap, rinse, and pat dry.
- Then apply a thin layer of Calendula Gel to affected area 3 times a day or as needed.

Other information

- do not use if glued carton end flaps are open or if the tube seal is broken
- store at 68-77°F (20-25°C)

Inactive ingredients alcohol, caprylyl glycol, carbomer, purified water, sodium hydroxide, sorbic acid, 1,2-hexanediol

Questions or comments?

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OINTMENT 1 oz

Drug Facts

Active ingredient Calendula officinalis **Purpose** Healing agent
1X HPUS 4%

The letters "HPUS" indicate that the component in this product is officially monographed in the Homeopathic Pharmacopoeia of the United States.

Uses*

- helps promote healing of:
 - cuts
 - scrapes
 - minor burns
- temporarily protects and helps relieve chafed, chapped, or cracked skin and lips
- helps protect from the drying effects of wind and cold weather

Warnings

For external use only.

Do not use if you are allergic to Calendula officinalis or to any of this product's inactive ingredients.

When using this product do not get into eyes

Ask a doctor before use in case of deep or puncture wounds, animal bites, or serious burns.

Stop use and ask a doctor if condition persists for more than 3 days or worsens.

Keep out of reach of children. If swallowed, get medical help or contact a Poison Control Center right away.

Directions

For minor burns, immediately run cool water on the burn for several minutes and pat dry. Then apply a thin layer of Calendula Ointment to affected area 3 times a day or as needed.

For cuts, scrapes, chafed skin, and sunburn, first cleanse the area with mild soap, rinse, and pat dry. Then apply a thin layer of Calendula Ointment to affected area 3 times a day or as needed.

Other information

- do not use if glued carton end flaps are open or if the tube seal is broken
- store at 68-77°F (20-25°C)

Inactive ingredients

alcohol, purified water, white petrolatum USP

Questions or comments?

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1-800-BOIRON-1 (1-800-264-7661)

BURN OINTMENT 1 oz

Drug Facts

Active ingredient Calendula officinalis **Purpose** Healing agent
1X HPUS 4%

The letters "HPUS" indicate that the component in this product is officially monographed in the Homeopathic Pharmacopoeia of the United States.

Uses*

- temporarily protects and helps promote healing of minor burns

Warnings

For external use only.

Do not use

- over large areas of the body
- if you are allergic to Calendula officinalis or to any of this product's inactive ingredients
- under tight bandages

When using this product do not get into eyes

Ask a doctor before use in case of deep or puncture wounds, animal bites, or serious burns that present:

- blisters
- thickening of the skin
- white and leathery appearance

Stop use and ask a doctor if condition persists for more than 3 days or worsens.

Keep out of reach of children. If swallowed, get medical help or contact a Poison Control Center right away.

Directions For minor burns, immediately run cool water on the burn for several minutes and pat dry. Then apply a thin layer of Calendula Burn to affected area 3 times a day or as needed.

Other information

do not use if pellet dispenser seal is broken

Inactive ingredients

alcohol, purified water, white petrolatum USP

Questions or comments?

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**ALSO AVAILABLE
FROM BOIRON**



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