

Solutions that work naturally

Consumer product portfolio



A Relentless Passion for Healing

**We are Sonoma. We change lives for the better.
And by changing lives for the better, we better ourselves.**

Sonoma Pharmaceuticals is a global healthcare leader developing and producing stabilized hypochlorous acid (HOCl) products for a wide range of applications, including dermatological conditions, wound care, animal health care, eye care, nasal care and oral care.

 **150+**

Clinical Papers

 **50+**

Countries we ship to

 **40+**

Partners around the World

 **80+**

Regulatory approvals

 **60+**

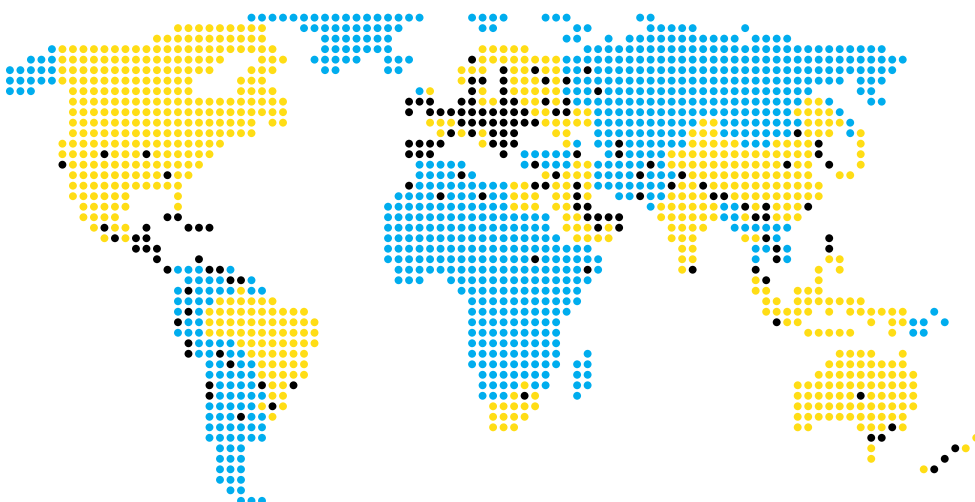
Patents obtained

 **10**

Indications

Changing lives for the better is more than a business, it is a calling. The restorative power of our work helps wounds heal, diminishes discomfort, and provides the relief that countless patients have been longing for...from alleviating itch and pain to saving limbs - all while reintroducing people to a state of wellness and confidence.

We continue to innovate and refuse to accept the limitations of the status quo, because the more paths to healing we discover, the better we are able to improve patient outcomes around the globe.



Partners Map

Browse our partners around the World

Approvals Map

Learn more about the approvals obtained

Microcyn® Technology

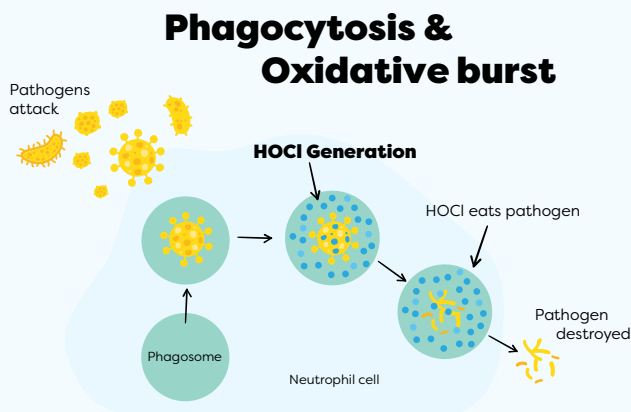
Natural body ingredients that boost your immune system



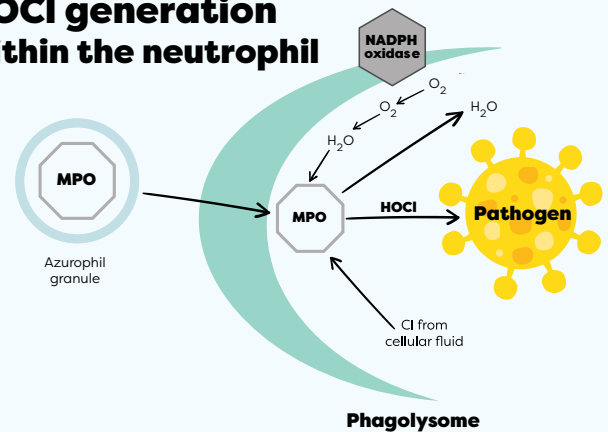
The Microcyn®-based family of products are formulated from an electrically charged oxychlorine compound of small molecules. The main component, **hypochlorous acid (HOCl)**, is naturally produced as part of our immune system during the phagocytosis. During the activation of neutrophils, 'respiratory bursts' generate hydrogen peroxide (H₂O₂) and the activated granule enzyme myeloperoxidase converts H₂O₂ into hypochlorous acid (HOCl).

When neutrophils encounter bacteria or other pathogens, the neutrophils engulfs it, generate HOCl and instantly destroying the microorganism. This process is called the "**oxidative burst**".

- Unique patent protected cutting-edge manufacturing process
- Tightly controlled and unmatched chemistry resulting in unmatched stability
- Based on one of the body's most important molecules: Hypochlorous acid (HOCl)
- The first revolutionary stable patented HOCl formulation in a bottle
- Evidence based stable, safe & effective patented technology



HOCl generation within the neutrophil



Microcyn® Technology has **Triple Mode of Action** and profound impact on infection, inflammation and scarring:

1. Powerful anti-microbial activity
(also breaks down Biofilm)
2. Anti-allergic & anti-inflammatory properties
(including anti-pruritic activity)
3. Increased blood/oxygen flow to wound that stimulates wound healing

In addition

- No mutations or resistance
- Unparalleled safety – No drug-to-drug interaction or contraindications
- Million of patients treated worldwide without serious adverse events.

Stabilized Hypochlorous Acid

The science of hypochlorous acid is simultaneously deceptively simple and highly complex. When developed intelligently and with scientific rigor, hypochlorous acid can be rendered safe, stable and consistent in an advanced wound care formulation. This is the foundation for our patented Microcyn® technology. Under development and continuous refinement for almost 20 years, Microcyn® Technology is **the original and first revolutionary stable patented hypochlorous acid formulation in a bottle** that was introduced into Europe and the U.S. advanced wound care markets.

HOCl is highly active against bacterial, viral, and fungal pathogens. HOCl also been shown to have significant activity against biofilms, spore-forming and non-spore forming bacteria.



Microcyn® Technology

Microbial Load
reduction &
Infection control

HOCl Time Kill in Solution

99.999% REDUCTION OR HIGHER IN 30 SECONDS

<i>Acinetobacter baumannii</i>	7.0488 Log	<i>Micrococcus yunnanensis</i>	5.6137 Log
<i>Bacteroides fragilis</i>	3.3565 Log	<i>Propionibacterium acnes</i>	5.2967 Log
<i>Candida albicans</i>	6.4699 Log	<i>Proteus mirabilis</i>	6.7477 Log
<i>Corynebacterium diphtheriae</i>	5.2778 Log	<i>Pseudomonas aeruginosa</i>	6.5867 Log
<i>Clostridium difficile</i> (spores)	4.6085 Log	<i>Serratia marcescens</i>	6.5811 Log
<i>Enterobacter aerogenes</i>	6.7200 Log	<i>Staphylococcus aureus</i> -MRSA	6.7032 Log
<i>Enterococcus faecalis</i> -VRE MDR	5.6085 Log	<i>Staphylococcus aureus</i>	6.5008 Log
<i>Escherichia coli</i>	6.5272 Log	<i>Staphylococcus pyogenes</i>	6.4214 Log
<i>Haemophilus influenzae</i>	5.4107 Log	<i>Trichophyton mentagrophytes</i>	4.6752 Log
<i>Klebsiella oxytoca</i>	6.7810 Log	<i>Vibrio vulnificus</i>	5.1888 Log
<i>Klebsiella pneumoniae</i> ozaenae	6.8086 Log		
<i>Malassezia furfur</i>	5.3953 Log		

IN-VITRO MICROBICIDAL PERFORMANCE STUDIES

Category	Microorganism	Standard / method	Type	Exposure time [minutes]	Microbial load reduction
Bactericidal	<i>Pseudomonas aeruginosa</i>	AOAC Use Dilution	Carrier	10	> 4.7 log
		BS EN 13727:1999	Suspension	15	> 5.4 log
	<i>Staphylococcus aureus</i>	AOAC Use Dilution	Carrier	10	> 4.7 log
		BS EN 13727:1999	Suspension	15	> 5.1 log
	<i>Salmonella choleraesuis</i>	AOAC Use Dilution	Carrier	10	> 5.7 log
Bactericidal (resistant strains)	Methiciline resistant <i>Staphylococcus aureus</i> (MRSA)	AOAC Use Dilution	Carrier	10	> 5.9 log
		AOAC Use Dilution	Carrier	10	> 6.1 log
Tuberculocidal	<i>Mycobacterium bovis</i>	Tuberculocidal Suspension	Suspension	5	> 6.4 log
Virucidal	Human Immunodeficiency Virus type I (HIV-I)	acc. U.S. EPA guidelines	Carrier	10	> 3.7 log
Fungicidal	<i>Trichophyton mentagrophytes</i>	Fungicidal Use Dilution	Carrier	10	> 6.3 log
Sporicidal	<i>Bacillus atrophaeus</i>	BS EN 14347:2002	Suspension	15	> 6.5 log

There are no known drug interactions or contraindications with Microcyn®-based products. **Independent laboratory tests** have demonstrated the technology to be non-irritating, non-sensitizing and non-toxic.

IN-VITRO MICROBICIDAL PERFORMANCE STUDIES

Category	Sub-category	Standard / method	Result
Toxicity	<i>Genotoxicity</i>	ISO 10993-3:2003	Pass
	<i>Cytotoxicity</i>	ISO 10993-5:1999	Pass
	<i>Acute oral toxicity</i>	ISO 10993-11:1996	Pass
	<i>Acute dermal toxicity</i>	ISO 10993-11:1996	Pass
	<i>Acute inhalation toxicity</i>	ISO 10993-11:1996	Pass
Sensitization	Dermal sensitization	ISO 10993-10:2002	Pass
Irritation	Skin irritation	ISO 10993-10:2002	Pass
	Ocular irritation	ISO 10993-10:2002	Pass



Microcyn® Technology

**Proven Evidence Based
& Patented Technology
supported by more than
30 clinical papers**



Country	Clinical Paper Title	Source	Subject Focus	Control Product
USA	Super-Oxidized Dermacyn in Lower-Extremity Wounds	Wounds (IWJ)	DFU	n.a.
IT	Super-Oxidized Solution (SOS) Therapy for Infected Diabetic Foot Ulcers	Wounds (IWJ)	DFU	P.I.
USA	The Science behind stable, Super-Oxidized water, Exploring the various applications of SOW	Wounds (IWJ)	DFU, LU, PU, Burns	
USA	Superoxidized Water Improves Wound Care Outcomes in Diabetic Patients	DMCT	DFU, burns, other	n.a.
USA	Nonsurgical Management of Chronic Wounds in Patients with Diabetes	JVU	DFU, LU, PU, Burns	n.a.
IT	Super-Oxidized Solution (SOS) Therapy for Infected Diabetic Foot Ulcers	IWJ, AAWC	DFU	P.I.
IT	Treatment of Diabetic Foot Ulcer: An Overview Strategies for Clinical Approach	CDR	DFU	
IT	Clinical Outcome of Wide Postsurgical lesions in the Infected Diabetic Foot Managed with 2 different local treatment regimes compared using Quasi Experimental Study Design: A preliminary comm.	LEW	DFU	P.I.
IT	A Randomized Controlled Trial to examine the efficacy and safety of a new Super-Oxidized Solution for the management of wide Postsurgical lesions of the Diabetic Foot	IJLEW	DFU	P.I.
ES	Super-Oxidized Solution (Dermacyn Wound Care) as Adjuvant Treatment in the Postoperative Management of Complicated Diabetic Foot Osteomyelitis	IJLEW	Diabetic Foot Osteomyelitis	P.I.
USA	Dermacyn: A novel superoxidized water facilitates wound healing. Early experience in lower extremity wounds and limb salvage	SAWC	DFU	TWC
IT	Use of Dermacyn, a new antiseptic agent, for the local treatment of Diabetic Foot Ulcers	EWMA	DFU	P.I.
IT	Clinical Outcome of Wide Postsurgical lesions in the Infected Diabetic Foot Managed with 2 different local treatment regimes compared using Quasi Experimental Study Design: A preliminary comm.	LEW	DFU	P.I.
IT	Clinical Results about an antimicrobial solution in the treatment of infected chronic wounds	EWMA	Chronic Wounds	P.I.

DFU = Diabetic Foot Ulcer LU = Leg Ulcers PU - Pressure Ulcers TWC = Traditional Wound Care PI = Providone Iodine



State of the Art Manufacturing Facility

- 17 FDA Clearances
- 29 CE Mark Notified Body Approvals
- ISO 9001 and 13484
- MOH, KFDA, SFDA, KSA, TGA, EN, Biocide and many other national listing/approvals
- Shipping to 54 countries
- First Rate Logistics
- High Quality
- Flexibility of SKU's
- Capacity to make millions of units each month



Solutions that work naturally for everybody

The Microcyn®-based family of products have helped millions of patients since its launch in 2005. No matter your age or skin type you can find the right solution to assist your body in reducing infection and inflammation naturally.

Mucoclyns® Decontamination solution



Exposure to germs and pathogens

[Learn more](#)

Microdacyn60® Oral Care



Mouth and throat infections

[Learn more](#)

Sinudox® Nasal care



Blocked nose or sinuses

[Learn more](#)

Ocudox® Eye lid solution



Blepharitis treatment

[Learn more](#)

Epicyn® Dermatology



Keloid or hypertrophic scar

[Learn more](#)

Gramaderm® Dermatology



Acne treatment

[Learn more](#)

Pediacyn® Dermatology



Atopic Dermatitis

[Learn more](#)

MucoClyns®

Decontamination solution

- **Reduces risk of infection**
- **Patented technology using natural body substances**
- **Alcohol free**
- **pH Neutral**
- **Safe to spray on skin, eyes, nose or mouth**



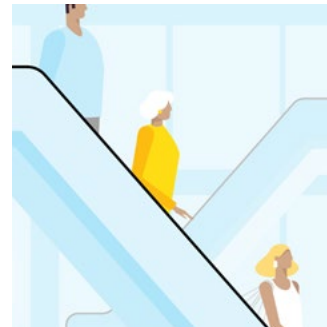
You can't avoid germs but you can protect yourself

MucoClyns® is a decontamination solution safe to use on mucous membranes, cuts, abrasions, burns and body surfaces to clean and treat immediately after unexpected exposure to infection risk and before receiving professional medical attention.

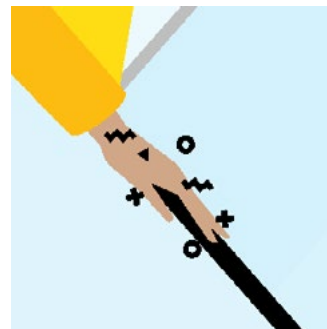
A new safe and **alcohol free**, non-toxic disruptive biotechnology solution that effectively protects against a wide range of pathogens. based upon patented **Microcyn® Technology** that has received numerous F.D.A. and CE-Approvals.

Decontaminates microorganisms by a purely physiological process induced by **natural body ingredients**. MucoClyns® can be used as a safe and non-toxic disruptive **personal protection solution** allowing users (including first responders, healthcare workers and the military) to treat themselves instantly in case of unsanitary conditions.

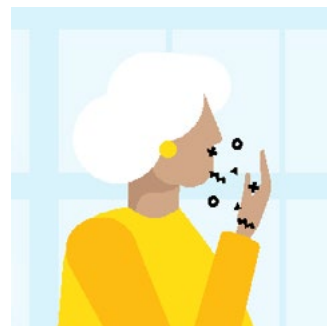
Did you know we touch our faces more than 15 times per hour?



We are in constant contact with the environment, exposed to malicious viruses and germs every day



They usually spread through droplet infection, for example through coughing, sneezing, or direct contact, then they enter the body via the nose / mouth and attack the mucous membranes of the respiratory system.



it is hard to avoid germs or simple acts like touching our faces, however, we can decontaminate our hands regularly with MucoClyns, a solution that not only kills the germs but also protects our hands's skin.



Microdacyn60®

Oral Care

- **Alleviates pain from mouth and throat**
- **Assists in reducing infection and inflammation**
- **Soothes cough**
- **Chemical free**



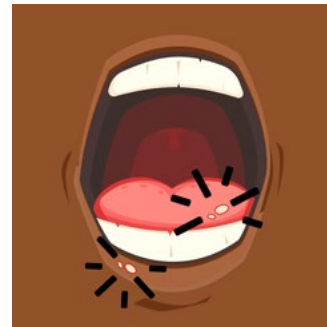
Natural ingredients that boost your immune system

Microdacyn60® Oral Care with patented technology supports the treatment of mouth and throat infections and the debridement and moistening of mouth lesions and thrush. This **adjuvant solution** assists in reducing inflammation, pain, soothing cough relief and does not contain any harmful chemicals. It does not stain teeth, is non-irritating, non-sensitizing, has no contraindications and is ready for use with no mixing or dilution. You can apply Microdacyn60® Oral Care 3 to 4 times daily by spraying 4 to 5 puffs in the direction of the infected area.

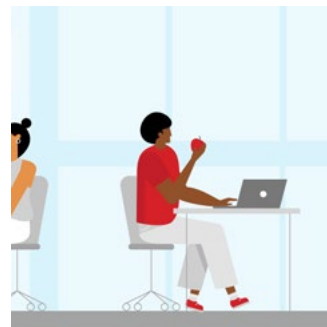
Depending upon the type of bacteria and intensity of the resulting mouth infection, an ulcer is formed. This area can easily become inflamed, causing you further distress and discomfort.

Microdacyn60® Oral Care **can be used for the relief of Laryngitis**. Due to an infection by external or surrounding bacteria, the larynx suffers from inflammation. Laryngitis can be acute, as well as chronic, which can last for over 3 weeks due to constant exposure to irritants.

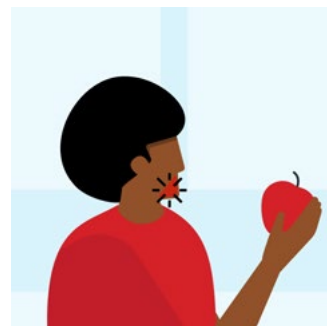
Is the pain so intense you can't concentrate or eat?



When the outer layer of cells in your mouth breaks down, normally due to a drop of your natural defenses, oral bacteria try to force their way through the weakest spot, therefore forming a hole.



The discomfort can be so annoying it doesn't allow you to concentrate on anything else, affecting your social life, work productivity, etc.



If you get these infections quite often, Microdacyn60® Oral Care can assist in reducing the inflammation and pain.



Sinudox®

Nasal Care

- **Clears blocked noses and sinuses**
- **Helps stop a runny nose**
- **Chemical free**
- **Easy to use**
- **Safe for children**



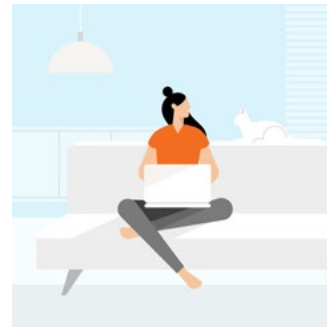
Natural ingredients that boost your immune system

Sinudox® is formulated to use on **blocked and inflamed sinuses or stuffy / runny noses** due to the common cold or influenza. There are millions of bacteria in our noses, and most of the time, they're harmless, if they keep draining into the nose along with mucus. But if sinus drainage is blocked, glands in the sinuses continue to produce mucus, and the bacteria grow out of control, causing infection.

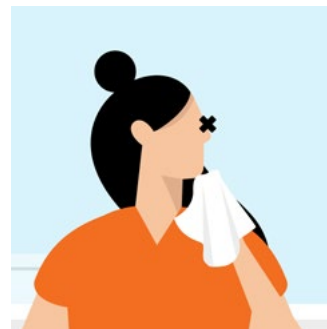
Sinudox® with patented technology is a solution intended for **nasal irrigation**. Sinudox® Hypotonic Nasal Hygiene clears and cleans a blocked nose, stuffy nose and sinuses by ancillary ingredients that may have a local antimicrobial effect. For self-administration to penetrate, clear and clean the nasal passages and sinuses. Sinudox® does not contain any harmful chemicals and has no contraindications, what makes it safe for children.

In order to use it, gently insert the tip of the bottle into the nostril, depress tip ones or twice and breathe gently. Switch to the other nostril and repeat 3-4 times per day, do not use for more than 5 days in a row.

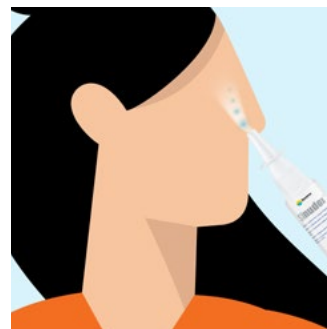
Is your nose so congested you can't breathe easily?



Whenever your body encounters cold or flu-causing bacteria or viruses, it begins to develop symptoms such as headache facial pressure or pain, and thick mucus clogs your nose.



When the symptoms are persistent or constantly returning they can cause high levels of pain and low levels of social functioning, generating problems with work, energy, and mental health.



One of the simplest and most effective ways to prevent and treat sinus problems is nasal irrigation. You can use Sinudox® 3-4 times per day and help boost your immune system to prevent risk of infection.



Epicyn[®]

Scar treatment

- **Stimulates postprocedure wound healing**
- **Can be used in old and new scars**
- **Reduces itch, redness and pain**
- **Silicone based**
- **pH Neutral**



Natural ingredients that boost your immune system

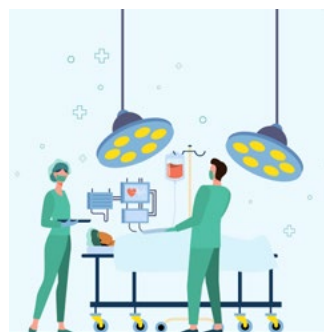
Epicyn[®] with patented technology for **proactive, post-procedure wound care and scar management treatment** is intended for the prevention of surgical site infections and the management and reduction of new and existing hypertrophic and keloid scars.

Epicyn[®] forms a protective barrier against physical, chemical and microbial invasion of the scar. It softens, flattens and reduces redness and relieves scar-associated itch and pain sensation.

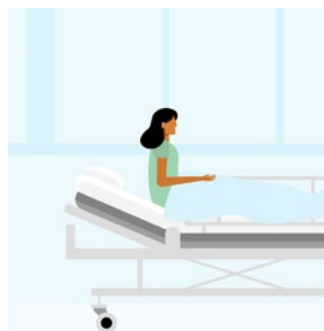
Ideal for old and new scars from surgeries and injuries. It helps reduce the appearance of old and new scars. With consistent use, even existent scars, can become flatter, smoother, less visible and closer to your skin's natural color and texture.

Epicyn[®] is odorless and transparent. It is suitable for all ages and skin types, including children, newborns and those with sensitive skin. **It can be applied immediately after surgical procedures / suturing to assist in the prevention of site infections.**

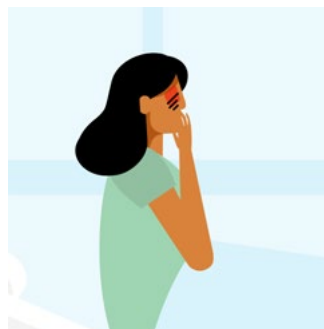
Are you worried about the look of a scar?



Whenever the skin on your body suffers from trauma of some sort, a scar is formed as a way to protect the wound and surrounding areas from the risk of further infection.



If you have undergone recent surgery Epicyn[®] can be used to prevent the appearance of a keloid or hypertrophic scar.



Can be applied immediately after wound appearance or surgery / suturing. Recommended treatment is 60-90 days.



Gramaderm®

Acne treatment

- **Helps to restore the skin's natural flora**
- **Assists in reducing infection and inflammation**
- **pH Neutral**
- **Chemical free**



Natural ingredients that boost your immune system

Gramaderm® solution & hydrogel with patented technology is intended to assist in the treatment of topical mild to moderate acne. It is easy to use and **suitable for daily use and all skin types**. Men and women, adults or teens, regardless of age. For any and all types of acne, including that on your face, back, chest or anywhere else on your body.

Gramaderm® **assists in restoring the skin's natural flora**. Gramaderm® solution & hydrogel does not contain any harmful chemicals and helps reduce redness. **Safe, easy, painless and free of benzoyl peroxide, salicylic acid, alcohol, parabens, antibiotics or steroids.**

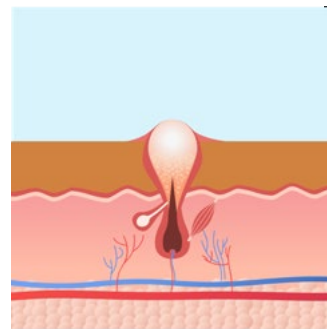
An efficient solution for the treatment of pimples, blackheads, whiteheads or even just leftover redness from an old blemish that isn't fading quickly enough.

Gramaderm® Solution & hydrogel can be used during long periods of time without causing side-effects.

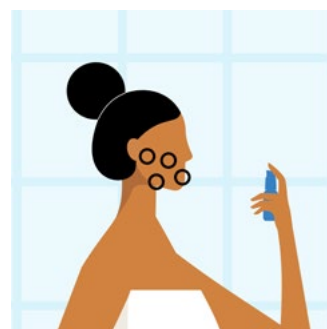
Do you feel like the acne is stealing the spotlight?



Acne can feel so distressing that you just want to hide your face from the world. Early treatment can prevent emotional distress and acne scars.



Acne is the result of clogged pores. It can be either non-inflammatory or inflammatory.



Wash the affected area with water and soap and let the skin dry. Clean with Gramaderm® Solution and allow it to act for 5 minutes. Let skin dry and do not wash off.



Pediacyn®

Atopic Dermatitis

- **Reduces redness, itch, and pain**
- **Can be used during dry and wet phases**
- **Silicone based**
- **pH Neutral**



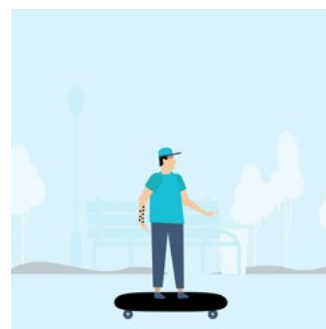
Natural ingredients that boost your immune system

Pediacyn® relieves Atopic Dermatitis-associated redness, itch sensation and pain and does not contain any harmful chemicals. It is well tolerated and can be used during dry- and wet phases of Atopic Dermatitis and during long periods of time **without causing side-effects**. People often refer to Atopic dermatitis as Eczema. However, it's actually an umbrella term covering dermatitis conditions caused by different allergens and triggering substances. Aside from **atopic dermatitis**, what you'll find most commonly are **contact and seborrheic dermatitis**.

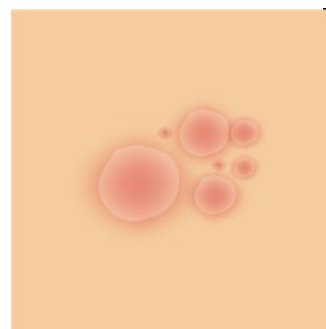
Pediacyn® is a **clinically proven safe and non-steroidal treatment** and is safe for children and babies. You simply cover the affected area with a thin layer of Pediacyn® and massage gently until it is evenly distributed over the skin. Let the skin dry and do not wash off the atopic dermatitis barrier cream. It can be applied 3 times daily (or as needed).

In case of dry skin; combine with any preferred atopic dermatitis moisturizer prior or after treatment with Pediacyn®

Is your skin suffering from Atopic Dermatitis or Eczema?



When you suffer this long-term skin concern, there are certain periods when the rash alleviates, but it always come back.



Sometimes the discomfort generated by the rash can distract you from your daily activities.



In addition to your prescribed treatment you can use Pediacyn® hydrogel as an adjuvant to assist reducing the redness, itch and pain caused by the rash.



Ocudox®

Eyelid solution

- For treatment of Blepharitis
- For daily hygiene of eyelids and eyelashes
- May be recommended to contact lens wearers
- Alcohol free
- pH Neutral



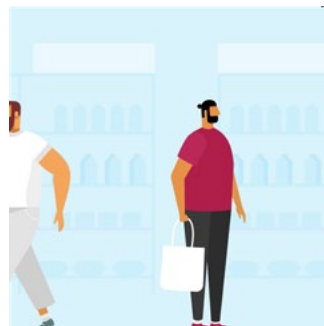
Natural ingredients that boost your immune system

Ocudox® with patented technology is a solution intended to **support in the treatment of Blepharitis and the daily hygiene of eyelids and eyelashes.** Ocudox® cleans the eye lids, lashes and periocular skin and assists in removing debris and microorganisms which can cause irritation and ocular surface disease.

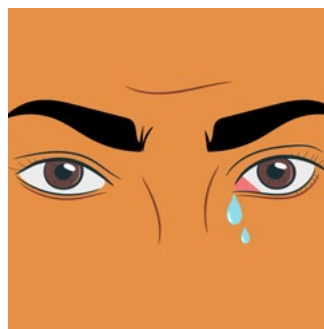
The solution does not contain any harmful chemicals and there are no preparation steps prior to application and no need to rinse after use.

Ocudox® is non-irritating, non-sensitizing, no stinging, no burning and has no contraindications. Ocudox may be recommended to contact lens wearers.

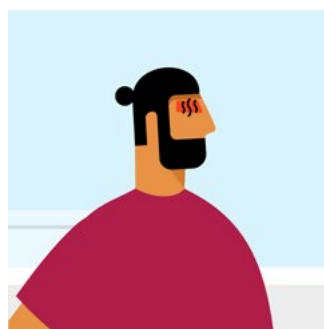
Do you constantly look like you have been crying?



Throughout the day, we're exposed to varying amounts of sun, wind, and dust. Our eyes get fatigued adapting to all these changes and can become dry



The eye responds to irritation with an eye-itching reflex. This results in discharge which mixed with tiny dust particles and debris causes encrustation.



Use Ocudox® twice a day to maintain the eye lids, lashes and periocular skin clean and reduce irritation.





www.sonomapharma.eu

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