



**cristalmina<sup>®</sup>**  
Chlorhexidine digluconate 1%

# ANTISEPTICS, EVOLUTION & COMPARATIVE



1

## FENOL

- It may not be used on wounds.
- It may cause toxicity by direct skin contact, inhalation of vapors or accidental ingestion



2

## ALCOHOL

- Indicated for healthy skin
- It should not be used on open wounds
- Produces some irritation and dry skin
- It can form a clot that protects the surviving bacteria



3

## HYDROGEN PEROXIDE

- It may damage healthy cells when used to clean wounds
- It may slow down the healing process



4

## MERCURO-CHROME

- Low bacteriostatic power
- Classified by the FDA in 1998 for use not generally recognized as safe



5

## POVIDONE-IODINE

- May delay the healing process
- May cause contact dermatitis
- It is not recommended to use in newborn babies or pregnant women



6

## cristalmina®

- Antiseptic indicated in minor skin wounds, burns and even for the umbilical cord in newborns.
- Antibacterial activity persists on the skin for several hours after application
- Being transparent it allows to follow the evolution of wounds after several cures

# crystalmina®

**Leader in the Spanish market,  
the most complete, for the whole family.**

- **Launched** in the **Spanish market** in **1986**.
- **Crystalmina®** is the **market leader** in Spain, **for topical antiseptics**, with double digit growth.\*
- **Crystalmina®**, offers **quick action** and **long-lasting effect**.
- Chlorhexidine is the **antiseptic of reference**, widely recommended in different clinical guidelines.

\*HMR sales in data MAT 08/2020



# cristalmina®

Range (Chlorhexidine digluconate 1%)

*Rapid action, long-lasting effect,  
it does not sting or stain.*



cristalmina®

**DROPPER 25 ml**

10 mg/ml  
cutaneous solution



cristalmina®

**SPRAY 25 ml**

10 mg/ml  
cutaneous spray solution



cristalmina®

**SPRAY 125 ml**

10 mg/ml  
cutaneous spray solution



cristalmina® film

**30 g**

10 mg/ml  
gel

## LICENSING OPPORTUNITY

**Also available:**

**Cristalmina 2% Spray - Aqueous or Alcoholic 125 ml & 500 ml**

Biocide - Antiseptic for healthy skin

# cristalmina<sup>®</sup>

Chlorhexidine digluconate 1%

*Indicated in the disinfection of burns and superficial wounds; even for the umbilical cord in newborns.*



It is a **medicinal product**



**Quick-action:**

15 seconds vs.  
3 minutes (Iodine)



**Transparent & well tolerated:**

Neither stains  
nor itches



**Long-lasting effect:**

6 hours vs. 3 hours  
(Iodine)



**Easy to apply  
and remove**



**Multiple applications,**

in various types of  
superficial wounds  
and burns

Chlorhexidine is the most recommended reference antiseptic in different clinical guidelines.



# cristalmina®

Chlorhexidine digluconate 1%

*Disinfection of wounds  
and minor burns of the skin*



SUPERFICIAL  
WOUNDS



CUTS



MINOR BURNS



UMBILICAL  
CORD



PUNCTURE  
WOUNDS



ACNE &  
CHICKENPOX  
WOUNDS



PIERCINGS &  
EARRINGS



WOUNDS FOR  
INSECT BITES



PET  
WOUNDS



BLISTERS  
WOUNDS



SKIN  
IRRITATIONS



POST-WAXING  
TREATMENT



# crystalmina®

Chlorhexidine digluconate 1%

*“The antiseptic of reference in Spain,  
the most complete, for the whole family”*

## SPRAY - 25 ml & 125 ml

**PRESENTATION** Crystalmina® 10 mg/ml cutaneous spray solution in 25 ml & 125 ml

**COMPOSITION** Chlorhexidine digluconate 10 mg/ml

**INDICATION** Indicated as a skin antiseptic for minor wounds, burns and antiseptic of the umbilical cord in newborns

**CLASSIFICATION** Medicinal product - OTC

**REGULATORY STATUS** Registered and marketed in Spain / Spray 25 ml: On going registration in Europe by MRP (Mutual Recognition Procedure)

**ATC** D08AC02



# cristalmina®

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# ALCOHOL VS. CRISTALMINA

## TOPICAL ANTISEPTICS

MAIN ANTISEPTIC CHARACTERISTICS	ALCOHOL 70%	cristalmina®
<b>SPECTRUM OF ACTION</b>	Bacterias: Gram +, Gram - Viruses: AIDS, Citomegalovirus	Bacterias: Gram + (MARSA), Gram - ( <i>Pseudomona</i> ), Spores, Fungi and Viruses
<b>START OF ACTIVITY</b>	2 minutes	<b>15-30 seconds</b>
<b>RESIDUAL EFFECT</b>	Under	<b>6 hours</b>
<b>ACTION IN ORGANIC MATTER: BLOOD, PUS, EXUDATE</b>	Inactive	<b>Active</b>
<b>SAFETY</b>	Flammable	Chlorhexidine absorption through the skin is minimal. Toxicity is practically zero.
<b>TOXICITY</b>	Irritating	<b>Non toxic</b>
<b>WARNINGS / CONTRAINDICATED</b>	Do not apply on wounds, as it may irritate the damaged tissue and can form a clot that protects resistant bacteria. Avoid contact with eyes. Do not apply on mucous wounds.	Do not use in eyes or inside the ears, neither inside the mouth or other mucous membranes.

# HYDROGEN PEROXIDE VS. CRISTALMINA

## TOPICAL ANTISEPTICS

MAIN ANTISEPTIC CHARACTERISTICS	HYDROGEN PEROXIDE 1,5-3%	cristalmina®
<b>SPECTRUM OF ACTION</b>	Bacterias: Gram +, Gram -, Viruses (3%)	Bacterias: Gram + (MARSA), Gram - ( <i>Pseudomona</i> ), Spores, Fungi and Viruses
<b>START OF ACTIVITY</b>	Immediate	<b>15-30 seconds</b>
<b>RESIDUAL EFFECT</b>	Non	<b>6 hours</b>
<b>ACTION IN ORGANIC MATTER: BLOOD, PUS, EXUDATE</b>	Inactive	<b>Active</b>
<b>SAFETY</b>	Inactive in presence of air and light	Chlorhexidine absorption through the skin is minimal. Toxicity is practically zero.
<b>TOXICITY</b>	Mucous membranes irritation	<b>Non toxic</b>
<b>WARNINGS / CONTRAINDICATED</b>	Danger of tissue damage in closed cavities and risk of gas embolism	Do not use in eyes or inside the ears, neither inside the mouth or other mucous membranes.

# POVIDONE-IODINE VS. CRISTALMINA

## TOPICAL ANTISEPTICS

MAIN ANTISEPTIC CHARACTERISTICS	POVIDONE-IODINE 10%	cristalmina®
<b>SPECTRUM OF ACTION</b>	Bacterias: Gram + (MARSA), Gram -, Fungi, Viruses	Bacterias: Gram + (MARSA), Gram - ( <i>Pseudomona</i> ), Spores, Fungi and Viruses
<b>START OF ACTIVITY</b>	3 minutes	<b>15-30 seconds</b>
<b>RESIDUAL EFFECT</b>	3 hours	<b>6 hours</b>
<b>ACTION IN ORGANIC MATTER: BLOOD, PUS, EXUDATE</b>	Active	<b>Active</b>
<b>SAFETY</b>	Slows down the growth of granulation tissue	Chlorhexidine absorption through the skin is minimal. Toxicity is practically zero.
<b>TOXICITY</b>	Skin irritation. Absorption of iodine at a systemic level.	<b>Non toxic</b>
<b>WARNINGS / CONTRAINDICATED</b>	Avoided as much as possible during pregnancy and lactation. Do not apply to newborn patients (0 to 1 month). Hyperthyroidism or other acute thyroid diseases.	Do not use in eyes or inside the ears, neither inside the mouth or other mucous membranes.