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An osmotic gel for the effective treatment of burns combined with a strong disinfecting action

What is this gel?

OSMO 4 is the basic formulation core (at 15% minimum) for several different product presentations. These fluid gels offer new approaches to the protection and repair of the skin with a purely physical mechanism of action: OSMOSIS

The osmotic action protects and maintains the skin in good health with the following resulting actions;

- Protects against microbiocidal infections (disinfects)
- Calms skin irritations and burns (anti-inflammatory)
- Promotes a powerful hydrating action (moisturizes)
- Helps with scar healing

These 4 actions preserve the integrity of the skin

This is a dermatologic gel with advanced and highly effective skin calming, disinfecting, hydrating and anti-inflammation properties which combine to bring rapid relief to burns.

When the skin is burnt in a domestic, professional or accident situation, or by the Sun, it is important to bring relief to the burned areas as quickly as possible to minimise pain and scarring, and this gel has been especially developed to deal with these situations.

This gel has benefited from a large number of laboratory studies and chemical studies which have confirmed the numerous different applications for this product.

How does this gel work to relieve the trauma of burns?

The developer has created hydro gels of which the molecular structure corresponds to a sort of "polyacrylate cage" in which, are captured molecules such as glycerine and water.

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This structure gives to the hydro gels a strong osmotic force which brings a dual microbiocidal and hydrating activity, from which an anti-inflammatory action results.

This **anti-inflammatory action** is explained by the effect of osmotic pumping which allows the propagation of cutaneous inflammation to be avoided.

The **hydrating action** is the result of an osmotic effect at the surface of the skin, which allows it to engorge itself with water (on the skin surface the cells which make up the cutaneous tissue are individually protected against osmotic destruction by the regulating inter-cellular systems

The **disinfecting action** (bactericide, fungicide, virucide) without the addition of antiseptic molecules or alcohol, targets single cell microbial organisms, which are thus destabilised (partially emptied of their water content by osmosis) and which then die.

How to use the product on burnt areas

For local use the gel should be applied to the whole of the burnt surface with a light massaging action. Allow the gel to penetrate and repeat this action 2 or 3 times per day.

This gel contains no preservatives, alcohol or perfume and is very well tolerated by the user and has shown no occurrence of side effects.

Microbiocidal properties

The microbiocidal effectiveness of the hydro gels is due uniquely to their high osmotic force, without the addition of either alcohol or preservatives.

Scar healing activity

The application of these hydro gels after small dermatological operations has shown its clinical effectiveness as well as showing good tolerance.

Composition

Glycerylpolyacrylate, Carbomere, Octyleneglycol, Glycerol, Polyethyleneglycol, Sodium Hydroxide, Purified Water.

Classification

This product is classified as Medical Device Class IIA in all EU member states.

Available as finished product or in bulk OSMO4 compound for local production and packaging