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## Soothing and refreshing cleansing

Micellar waters are water-based solutions composed of particles called fatty acid micelles.

These fatty acids have a lipophilic pole and a hydrophilic pole are organized forming a micelle, with its lipophilic pole inward and the hydrophilic pole outward.

The micelles act as emulsifiers. When applied to the skin with a cleansing cotton, they trap grease and dirt, respecting the hydrolipidic film (natural layer of skin protection).

The micellar solutions were created by Jean-Noël Thorel, pharmacist and biologist, for the cleaning of the skin in the burn units of hospitals. That is why they are specifically developed for the most sensitive skin, since they clean gently without irritating.

Micellar solutions can be used daily, as many times as necessary since they do not irritate or damage the skin.

The micelles are composed of a lipo-amino acid: Capryloyl Glycine. Its amphiphilic behavior helps it melt inside the skin. It is a natural Biovector of Glycine, the main amino acid found in the skin.

Xylityl glucoside: A type of revitalizing sugar for the skin, essential to keep it hydrated, and Hexylene glycol, a vector of purity that facilitates bioavailability in the skin.

Micellar water with soothing, revitalizing and anti-inflammatory properties. It is used as a cleanser or make-up remover. Does not dry out the skin, nor leave it greasy. It is easy to apply and does not need rinsing. Indicated for sensitive skin, it does not contain chemicals or other substances that can damage the skin.



**Contains:****CALENDULA EXTRACT.**

The calendula is one of the plants best considered to treat sensitive skin.

It is one of the most recognized plants in medicinal treatments.

It is composed of flavonoids and triterpenes whose properties are beneficial to treat different skin conditions. It is ideal for dry and scaly skin, it hydrates, rejuvenates the skin and you will notice how it is much more elastic. Calendula is very good to improve blood circulation and if we focus on the complexion, beauty and toning of the skin is extraordinary. The extracts of the flowers of *C.officinalis* show a wide spectrum of pharmacological actions, hence the great importance of calendula extracts in modern cosmetology. [1].

**• Re-epithelizing and healing activity**

This is one of the most widespread uses of calendula and is due to its content in polysaccharides (mucilages), flavonoids (especially quercetin-3-O-glycoside), triterpenes and carotenes. These substances act on the metabolism of glycoproteins and on collagen fibers. The creams of extracts of 5% calendula in combination with allantoin, proved to promote a marked epithelization. Subsequent investigations suggested an inducer role of microvascularization in aqueous extracts of calendula flowers applied on skin wounds, thus contributing to a faster healing. [2].

According to the ESCOP, (European Scientific Cooperative on Phytotherapy), calendula is indicated in the topical treatment of inflammations of the skin and mucous membranes and also acts as a coadjuvant in the healing of wounds.

**• Wetting activity**

This activity of the calendula is due to its content in saponins and mucilages. These active principles have wetting capacity (water retention and transfer of it in the medium where it is).

For this reason, calendula is ideal for formulating cosmetic products for dry, dehydrated, irritated or delicate skin.

**• Anti-inflammatory activity**

The topical use of preparations based on calendula is widespread in both the cosmetic and dermatological fields thanks to its anti-inflammatory activity. The clinical effectiveness of this plant has been widely proven for some time. Della Loggia et al. (1994) used an experimental model (inflammation of the mouse ear induced by croton oil) and demonstrated, from a product obtained by supercritical extraction, that it is the lipophilic fraction - devoid of saponosides and

polysaccharides - that possesses an anti-inflammatory effect. The biodirected fractionation of this fraction showed that this activity is due to triterpenes (mono-oles and esters of diols), mainly monoesters of faradiol. In vivo studies in rats showed anti-inflammatory activity (when inflammation was induced by carrageenan and by prostaglandin E1) and an inhibitory action of leukocyte infiltration. [3]. Thus, calendula extract is very indicated when formulating cosmetic products for sensitive and / or irritated skin.

**Micellar water activity:**

- ☒ Removes dirt and grease accumulated on the face smoothly.
- ☒ Soothing and re-epithelial cleansing.
- ☒ Anti-inflammatory properties.
- ☒ Hydrates, matifies, closes pores and soothes the skin.
- ☒ It can be used both to remove make-up and to wake up to eliminate the accumulated sebum of the night.
- ☒ Ideal to refresh the skin of the face and neckline during the day by gentle touches with cotton.
- ☒ Antioxidant properties, non-irritating, perfect for sensitive skin.

**References:**

- [1] Lastra Valdés H. & Piquet García R., 1999
- [2] Alonso J., 2004
- [3] [www.fitoterapia.net](http://www.fitoterapia.net)