

# peelmoist™

*molecular film*

## Peeling and moisturisation, a powerful alliance



Exfoliation is essential, not only to keep the skin smooth and healthy but to guarantee a good protection against external aggressions. Younger skin is more efficient at this process, but with aging, the turnover rate of stratum corneum (SC) decreases and skin becomes rough and dry. This fall in the epidermal turnover time is because of a higher interaction between corneocytes in older skin.

There is a connection between dry skin and altered desquamation: an abnormal desquamation leads to a disruption of the water barrier function and consequently to a dehydration tendency of the SC, and on the other hand skin dryness is able to alter the desquamation process. Thus a proper moisturisation after exfoliation is necessary.

**peelmoist™** *molecular film* is designed to obtain an optimized delivery of papain, a proteolytic enzyme that selectively degrades the corneodesmosomal linkages between damaged or dead cells.

It also provides an improved moisturisation to the skin and preserves the natural barrier function of the epidermis, due to the ingredients contained from the natural moisturizing factor.

### INCI

Water (Aqua), Glycerin, Maltodextrin, Calcium Pantothenate, Xanthan Gum, Urea, Caprylyl Glycol, Proline, Alanine, Serine, Magnesium Lactate, Potassium Lactate, Magnesium Chloride, Sodium Citrate, Papain, Ethylhexylglycerin.

### Dosage

5-10%

### Solubility

Water soluble.



peeling



moisturisation



delivery system



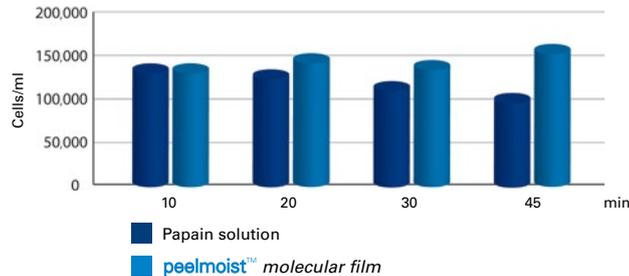
CFDA listed



# In vitro efficacy

## DESQUAMATION IN KERATINOCYTES

A medium with **peelmoist™ molecular film**, containing 7.5% papain, or 7.5% papain solution, both diluted 1/20, was added to incubated human epidermic keratinocytes (HEK), and they were incubated again for different times. After incubation, medium was collected and desquamated cells counted.



 **peelmoist™ molecular film improved desquamation on HEK, compared to papain alone at the tested concentration.**

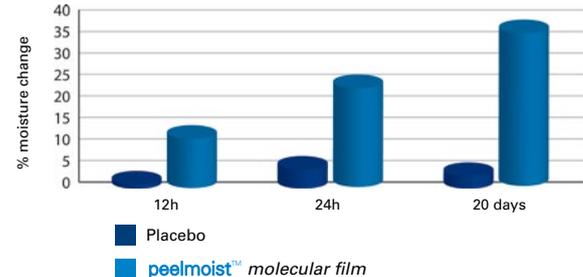
The trademarks referenced in this brochure are owned by The Lubrizol Corporation or its affiliates. While the information contained herein is believed to be reliable, there are no representations, guarantees, or warranties of any kind made as to its accuracy, suitability for particular applications, how the product(s) will perform in combination with other substance or in the User's process or the results obtained. All expressed and implied warranties are disclaimed. Lubrizol and its affiliates MAKE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. The User is solely responsible for ensuring that products marketed to consumers comply with all relevant laws and regulations and assumes all risk and liability of any use or handling of any materials. User agrees to indemnify and hold harmless Lubrizol and its affiliates for any and all actions arising from User's use of any information including claims in this publication, including, but not limited to, use in advertising and finished product label claims, and not present this publication as evidence of finished product claim substantiation to any regulatory authority. It is the User's sole responsibility to determine if there are any issues relating to patent infringement relating to the supplied information. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.

Isaac Peral 17 Pol. Industrial Camí Ral - 08850 Gavà (Barcelona) Spain - Tel +34 93 638 80 00 - commercial@lipotec.com

# In vivo efficacy

## SKIN MOISTURISATION

A panel of 20 women volunteers, aged 20 to 73, applied a gel containing 7% **peelmoist™ molecular film** on one side of the face twice a day for 20 days. A placebo gel was used to treat the other side of the face. Skin moisture measurements were determined after 12 hours, 24 hours and 20 days by corneometry.



 **peelmoist™ molecular film induced a significant moisturising effect only 24h after application, and provided an improved long-lasting hydration**