

Xylitol and Lactitol

Function:

Scalp moisturisation and soothing.

Definition:

Lactitol and xylitol in glycerin.

Properties:

Skin microflora balance to fight against scalp discomfort (dryness, itching, dandruff, irritations).

Characteristics:

Xylitol and lactitol help restore the ecosystem balance by promoting the growth of beneficial germs to the detriment of noxious germs.

INCI name:

Glycerin – Lactitol – Xylitol

Applications:

Hair care products: shampoos, conditioners, leave-on, hair lotions, masks...

Formulation:

Water soluble.

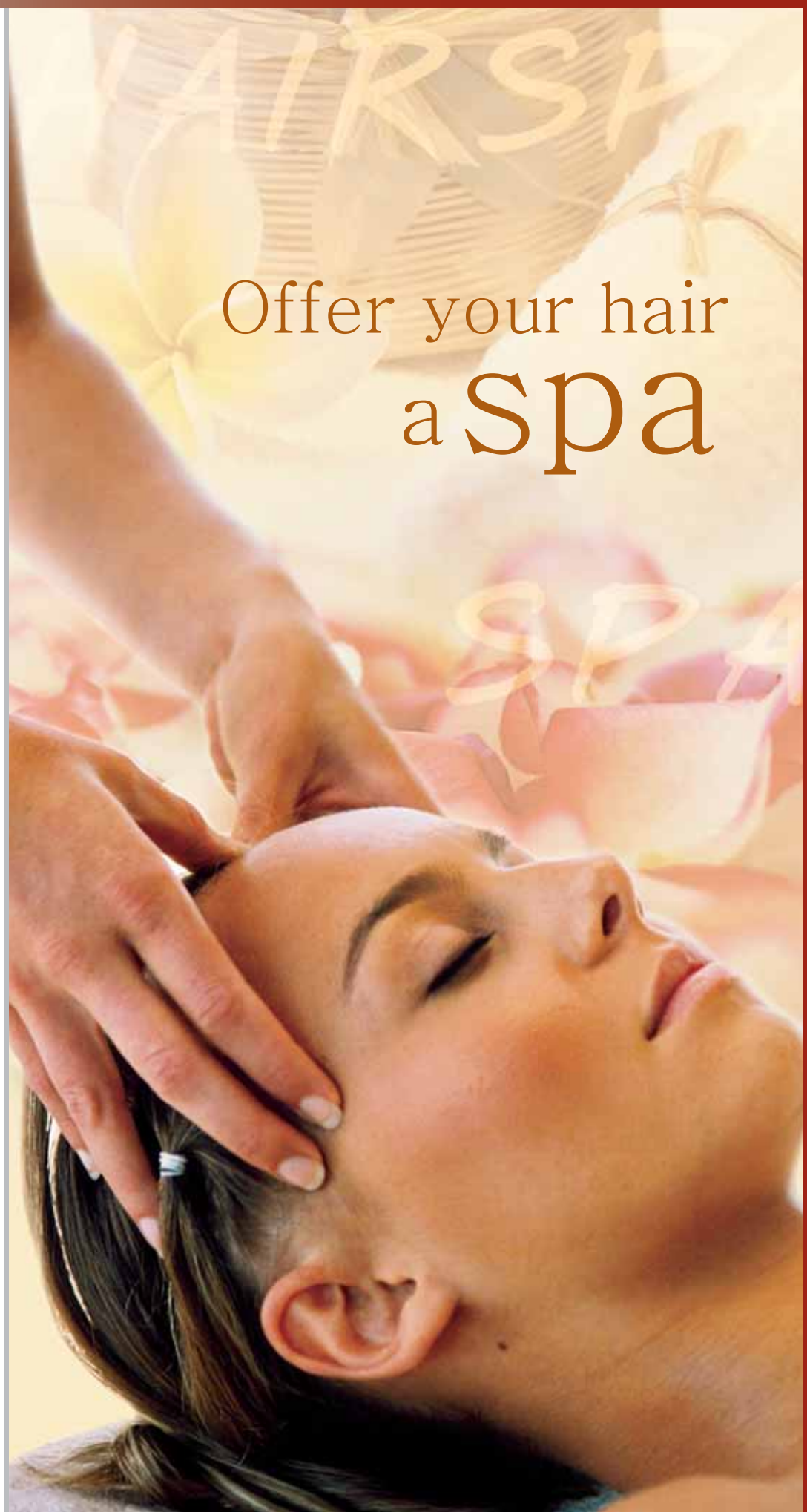
Incorporate at 45°C in emulsions or at room temperature in gels.

Recommended use level:

1% to 2%

Patent:

WO 2006/061678



Clinical study

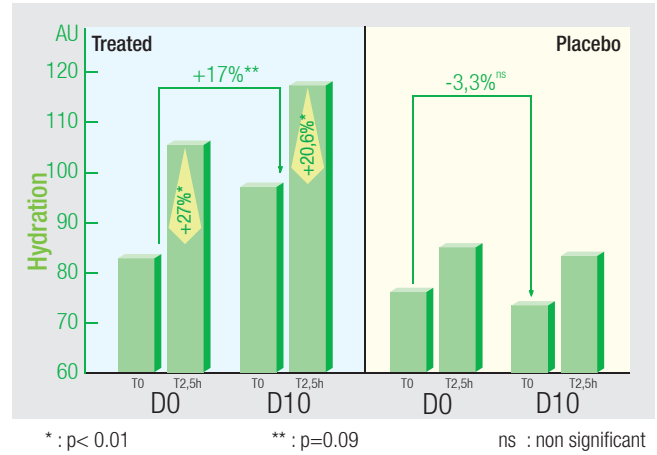
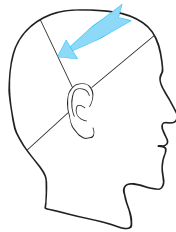
2 x 17 days / 28 volunteers (16 women, 12 men) / 10 day-treatment with 3 applications of: a shampoo containing 1% HAIRSPA™ or placebo, a conditioner containing 1% HAIRSPA™ or placebo and a leave on containing 2% HAIRSPA™ or placebo. Measurements of scalp moisture at D0 (T0, T2.5h) and D10 (T0, T2.5h).



Moisturising power

Moisturisation is measured with a specific device (Dermalab), on one side of the head.

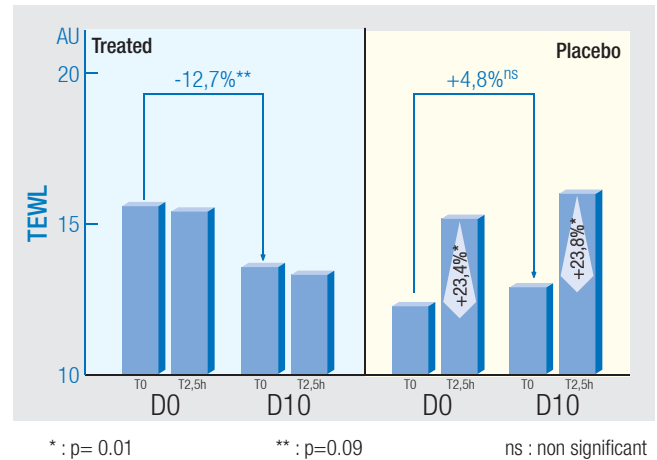
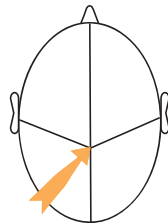
HAIRSPA™ provides a significant immediate (+27%), progressive and long-lasting moisturising effect (+17%).



Skin barrier integrity

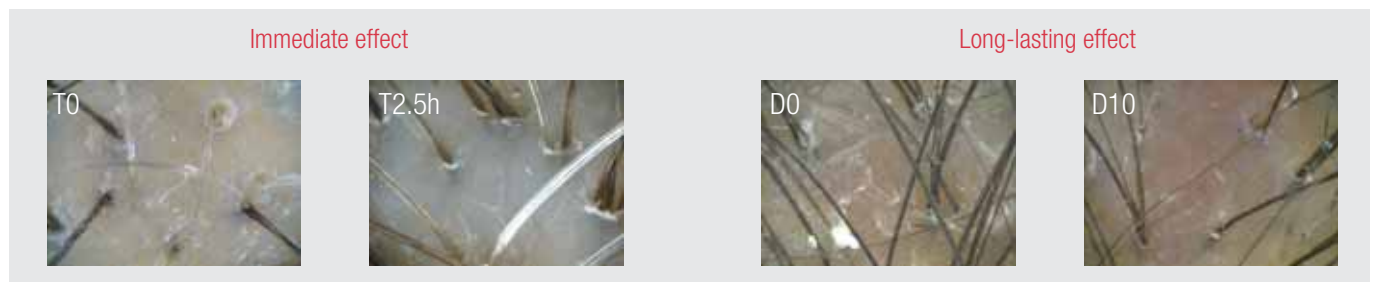
TEWL is measured with a vaporimeter, on the top of the head.

**Immediate effect: TEWL is stable compared to placebo (significant increase).
Long-lasting effect: TEWL is significantly improved. HAIRSPA™ prevents the skin barrier damage.**



Videomicroscope observations

The area on the top of the head is observed. Pictures have been taken.



HAIRSPA™ provides immediate and long-lasting hydration, regulates the desquamation process and reinforces the skin barrier.