

Lucas Meyer



AMISOL[®] TRIO

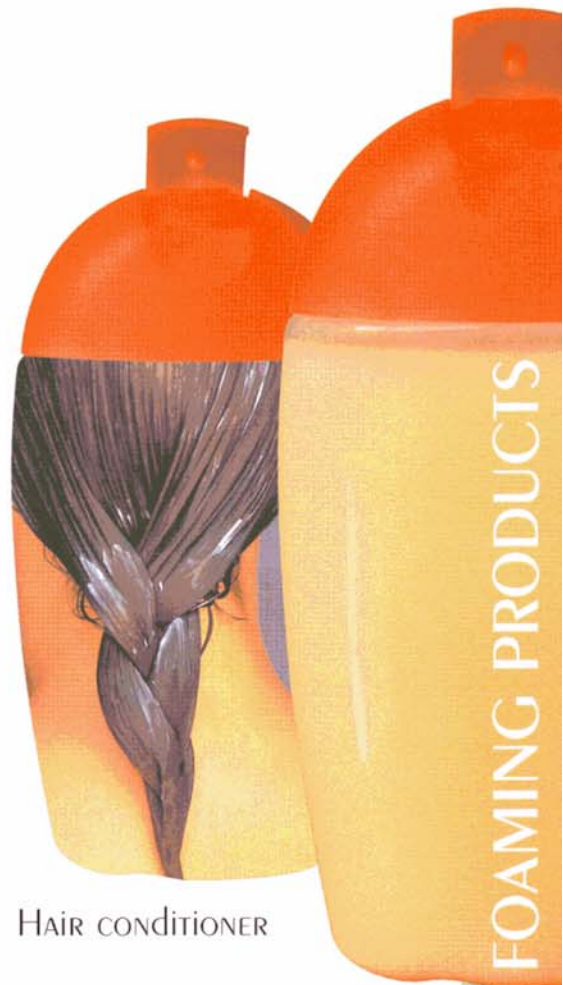
A NEW ACTIVE EMULSIFIER FOR CLEANSING PRODUCTS

MEMBRANE LIPID COMPLEX

- Phospholipids
- Glycolipids
- Glycine soja
- PHYTOSTEROLS
- VITAMIN F



SKIN BARRIER PROTECTION



HAIR CONDITIONER

FOAMING PRODUCTS

AMISOL® TRIO for TECHNOLOGICAL PROPERTIES

NATURAL

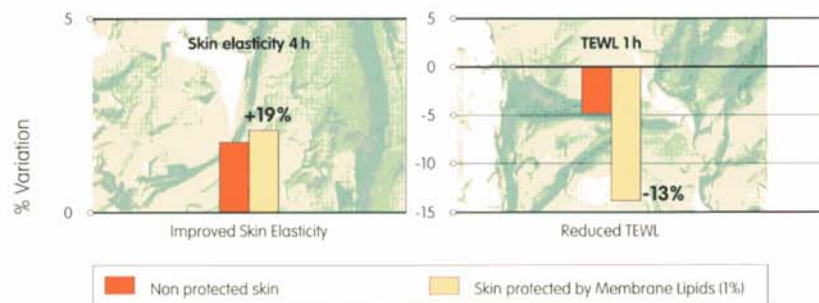
- **NON IONIC EMULSIFIER** - Oil stabilisation in cleansing/foaming formulations.
- Cleansing improvements.
- **OPACIFIER** - Creamy foaming formulations.
- **FILM FORMER** - Leaves a soft skin/hair after feel.

AMISOL® TRIO for SKIN CARE BENEFITS : PROTECTION & HYDRATION

Phospholipids and Vitamin F of AMISOL® TRIO restore skin epidermal lipids and barrier function damaged by surfactant/detergent preparations. Skin is well hydrated.

1 MOISTURIZING EFFECT:

Transepidermal Water Loss: -13 % & Skin Elasticity*: +19 %



*by Dermal Torque Meter

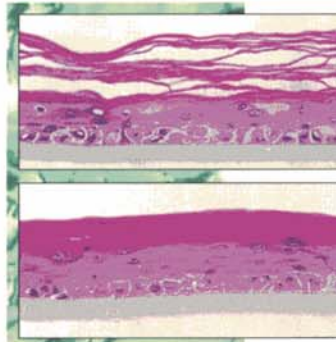
2 EMOLLIENT EFFECT: soft and fresh after feel

Thanks to film forming effect, AMISOL® TRIO provides a very pleasant rich and non greasy skin feel, even after rinsing.

3 ANTI-IRRITANT EFFECT: Reduced Sodium Alkyl Sulfate (SAS) irritation by 90 %

Membrane Lipids of AMISOL® TRIO complexe detergents and pollutants to inhibit their irritant effect.
Phospholipids and Vitamin F restore cell membranes, stop free radicals and reduce skin inflammation and itching.

SAS Treated Skin Histologies

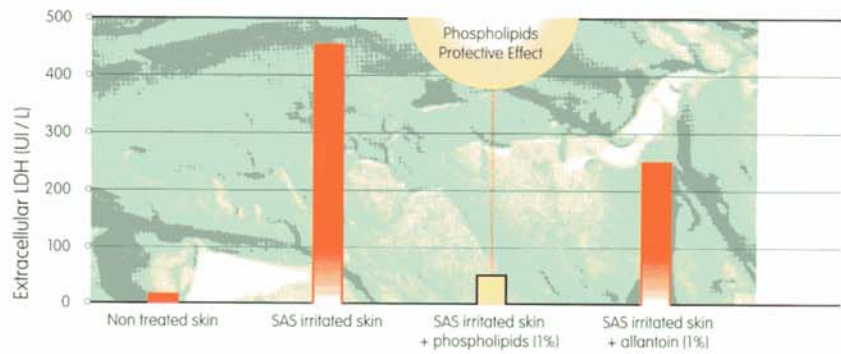


WITHOUT PROTECTIVE TREATMENT

WITH MEMBRANE LIPIDS (1%)

FOAMING PRODUCTS

Skin Cell Alterations (Cytotoxicity)



AMISOL® TRIO FOR HAIR CARE: CONDITIONING AGENT FOR HAIR AND SCALP

- 1 FILM FORMER**

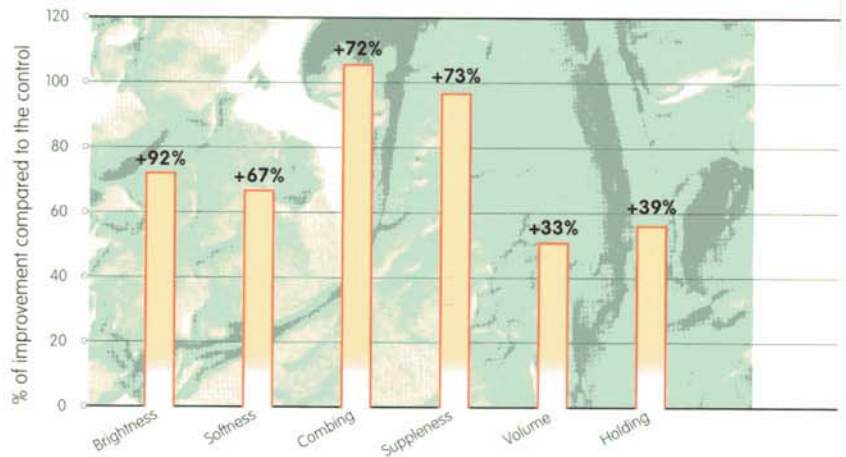
 - Reduces fly-away and split-ends of keratin fibers.
 - Prevents from external physico-chemical damages.
 - Improves hair softness, without accumulating effect.
- 2 HAIR/SCALP PENETRATION**

 - Repairs damaged and dried hair.
 - Restores lipid fractions.
 - Calms scalp irritation/itching.
- 3 HIGH CONDITIONING EFFECTS**

 - Brightness: +92 %
 - Combing: +72 %
 - Suppleness: +73 %
 - Softness: +67 %

TREATED HAIR WITH PHOSPHOLIPIDS (1%)

Evaluation on 10 volunteers: After shampoo with membrane lipids (1%) vs placebo



EXCELLENT TOLERANCE

- Ocular irritation (Draize classification) → very slightly irritant for eyes.
- Skin patch tests → non irritant for skin.

AMISOL® TRIO... SO EASY TO USE !

• FORMULATION CONCEPTS :

- Cream shampoo/Shower cream.
- Baby/Pathological skin.
- Conditioners.
- Transparent Foaming/Bath oil.

• FORMULATION GUIDELINES :

- 0.5 -1 % for hair preparations.
- 0.5 -4 % for skin preparations.
- Optimum pH between 5 and 8.
- Compatible with a wide range of surfactants and ingredients.
- Blend AMISOL® TRIO with amphoteric surfactants, add anionics, and then oily ingredients before adding water.
- Compatible with process at room temperature or 70°C.



OIL STABILISATION x 30 000

FORMULATION EXAMPLES

CREAM SHAMPOO

0 026 03

A Water	Up to 100 %
Na4edta	0.2 %
Potassium sorbate	0.25 %
Sodium salicylate	0.25 %
Euxyl K400	0.2 %
Capigel 98	3 %
Opacifier 680	0.8 %
B AMISOL TRIO	1
Vitamin E	0.5
Fragrance	0.5
C Euroquat C47	4
D Texapon N40	30
E Nacl 15 %	13
F Triethanolamine	Up to pH 6.5

SHOWER CREAM

65 % MOISTURIZING CREAM
0 041 02

A Water	Up to 100 %
Glycerin	3 %
Na4edta	0.2 %
Carbopol etd 2020	0.4 %
Euxyl K400	0.2 %
Capigel 98	3 %
B AMISOL TRIO	2
Vitamin E acetate	0.2
Sweet almond oil	1
Fragrance	0.25
C Euroquat C47	4
D Texapon N40	30
E Nacl 15 %	10
F Triethanolamine	Up to pH 5.5

- Stir slowly B 5 min.
- Add C and stir 5 min.
- Add D and stir 5 min.
- Prepare A and add A. Stir slowly 20 min.
- Add E. Stir slowly 5 min.
- Add F. Stir slowly 5 min.