



SOOTHING PATCH MASK FOR SENSITIVE SKINS 7003

This fluid and stable emulsion is to be impregnated on special tissues to obtain facial patch masks. The 3-phases process combined with the use of SIMULGEL NS guaranties the stability as MONTANOV L improves the feel.

Formula

A	<ul style="list-style-type: none">• Water• Xanthan gum	50.00 % 0.10 %
B	<ul style="list-style-type: none">• MONTANOV L (C14-22 alcohol and C12-20 alkylglucoside - SEPPIC)	0.50 %
C	<ul style="list-style-type: none">• SIMULGEL NS (Hydroxyethylacrylate/sodium acryloyldimethyl taurate copolymer & squalane & polysorbate 60 - SEPPIC)	1.00 %
D	<ul style="list-style-type: none">• LANOL 99 (isononyl isononanoate - SEPPIC)• Pentaerythryl tetraethylhexanoate	2.50 % 2.50 %
E	<ul style="list-style-type: none">• Water	Up to 100%
F	<ul style="list-style-type: none">• AQUAXYL (Xylitylglucoside and anhydroxylitol and xylitol - SEPPIC)• SEPICALM S (sodium cocoyl aminoacids & sarcosine & potassium aspartate & magnesium aspartate - SEPPIC)• SEPICIDE HB (Phenoxyethanol & Methylparaben & Ethylparaben & Propylparaben & Butylparaben - SEPPIC)• SENSIVA SC50 (Ethyl hexyl glycerin - SCHULKE & MAYR)	1.00 % 0.50 % 0.20 % 0.20 %

Procedure (2kg dumek pilot)

In the tank swell the xanthan gum in water then heat to 80°C. Disperse MONTANOV L (B) in A and homogenize for 5' at 1500 rpm with the rotor-stator mixing head. Stop heating and introduce SIMULGEL NS. Homogenize again for 2' then add the oils (phase D) and keep homogenization for 3' more. After these 3' reduce the speed of the rotor-stator at 700rpm and begin to cool. At 60°C stop rotor-stator and realize vacuum. Allow cooling at 50°C under gentle stir. At 50°C introduce complementary water while homogenizing again for 5' at 1500 rpm. At 30°C introduce ingredients of phase F and once again homogenize for 1' at 1500 rpm then wait for 10' under gentle stir. This process combines a one-pot process (only one tank is used) and a three-phases process (concentrated pre-emulsion step in order to have extra thin droplets and improved stability).

Comments

MONTANOV™ L

Glucolipid emulsifier in harmony with nature. MONTANOV L is especially useful to produce fluid formulas whatever the type or quantity of oil phase used. MONTANOV L has a shear-thinning profile that is stable over time and well-adapted to the formulation of liquid to sprayable emulsions. It offers easy stabilization in the presence of hydrosoluble active ingredients that are rich in electrolytes. .

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SIMULGEL™ NS

Thickening and emulsifying agent in very easy to use liquid form (no pre-dispersion or neutralization). Provides a sensation of freshness followed by a melting effect on contact with the skin. It leaves a feeling of velvety softness. SIMULGEL NS is particularly adapted to emulsify oils in fluid formulation.

SEPICALM™ S

Happyness Soother for sensitive and irritated skins ! Aminoacides biovector enriched with mineral salts, Sepicalm S protects the skin from any type of internal or external stress (fights against agressions such as inflammation, UV rays, abrasions ...) while exalting it by a real sensation of well beeing and confort (increase the production of cutaneous pleasure molecules, reliefs irritative reactions felt by delicate skins and moisturizes effectively). Efficacy proved on volunteers. A gentle invitation to relax ...

AQUAXYL™

New "AQUACONCEPT" technology : thanks to an harmonization of the skin's hydrous flow, AQUAXYL™ moisturizes and restructures the skin ; Water reserves are instantly boosted and water loss is reduced (*in vitro* and *in vivo* proven efficacy) for a more supple and resilient skin !"

SENSIVA™ SC50

Specifically designed for sensitive skins, SENSIVA SC50 helps to decrease level of preservatives.

Characteristics

Appearance	white fluid emulsion
pH	5.4
Viscosity at room temperature	950 mPa.s BROOKFIELD LV2 6rpm
Viscosity after 1 month at 45°C	380 mPa.s BROOKFIELD LV2 6rpm
Recovery of viscosity at RT (<i>after 1 month at 45°C</i>)	915 mPa.s BROOKFIELD LV2 6rpm
Stability	> M1 at room temp and 45°C > M1 after freeze thaw cycles -5 / +40°C Stable when centrifuged 20' at 3000 rpm Stable after 18h at -18°C

Recommended impregnation rate: 900% on facial patch (100% natural fibers = Kapok)

Notes

Pentaerythrityl tetraethyloctanoate: DUB PTO (STEARINERIE DUBOIS)

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Since this formula has not been the object of a toxicological study, the use and handling of the products proposed is purely indicative and SEPPIC accepts no responsibility for their use by another party.

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