



HAIR CARE

EU07485A | NATURAL TRI-PHASE OIL

Hair treatment - Formulated without silicones



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Multiple
TextureNATURALITY
PROFILE
according to
ISO 16128 norm

Natural Tri-phase Oil

Formulated without silicone oils

Moisturizing

* Data provide from OECD tests, QSAR calculations, products SDS and literature.

A	EMOGREEN™ L15	49.60%
B	Ricinus Communis (Castor) Seed Oil	20.00%
	FLUIDANOV™ 20X	0.025%
	Benzyl Alcohol - Benzoic Acid -	0.50%
	Dehydroacetic Acid - Tocopherol	0.40%
	Fragrance	0.40%
C	Aqua/Water	Up to 100%
	Sodium Chloride	0.05%
	XYLISHINE™	3.00%
	Colorants (1% dilution)	0.05%

With WESOURCE

Clear orange/beige/transparent Tri-phase



Packaging: Bottle

(a flow control packaging is advised for the right usage of fluid formula)

VISCOITIES: 1M at RT: < 100 mPa.s Brookfield LV4-6 /**STABILITY:** 1M at RT, 45°C.

FORMULATION ADVICES: Essai laboratoire - 300 g

Prepare the 3 phases separately by mixing with a spatula. In a separated beaker, Add the requested quantity of each phase, starting with the aqueous phase C, then add polar oil phase B, then finish with phase A.

COLD
PROCESS

Ratio oily/aqueous phases:
oily phase 70% & aqueous phase 30%:
(superior phase: non polar oil, intermediate phase: polar oily phase, inferior phase: aqueous phase)

EMOGREEN™ L15⁽¹⁾ & Castor Oil⁽²⁾ are easy to separate because it is almost not miscible. The solubility limit is exceeded (90⁽¹⁾/10⁽²⁾) in order to get both oily phases separated.

EMOGREEN™ L15 decreases the greasy & the rich skinfinish of the castor oil, known for its fortifying & nourishing properties. It decreases also the oxidation formula risks. (C15-19 Alkane*) (*Natural & Renewable)

Non polar & biodegradable, bio-sourced emollient. It's THE alternative to silicone oils. This high purity vegetable alkane gives a **fresh & gliding touch**, with a **soft afterfeel**. Inert and stable, it can be used in all types of applications, even in extreme conditions (ph, oxidizing/reducing media...).

FLUIDANOV™ 20X dose is optimised to give clear separation between the oily/aqueous interface without emulsifying the phases.

(Octyldodecanol - Octyldodecyl Xyloside)

"EAS'EMOLLIENT" from original xylolipidic emulsifier, extra-fluid, easy-to-use. It is a smart emollient: texturing effect in cream gels, it will also contribute to **stabilize W/O emulsions & to improve skin feeling**.

XYLISHINE™ shines & strengthens the hair. It contains some sugars, ie. glycols with short chains, giving a more defined interface to the formula.

(Xylitylglycoside - Anhydroxylytol - Maltitol - Xylitol - Pelvetia Canaliculata Extract)

It **moisturizes & repairs the hair**, helps to maintain the **deep hydration** of the hair & **protects the fiber**. In-vivo tested on Caucasian or Brazilian hair, the natural sugars of vegetal & marine origin make the hair **glossy & soft**. #Bio-Inspiration.

Tips: a low amount of salt NaCl allows to obtain larger water droplets because it breaks water OH liaisons. Water is re-separating quicker with a clear interface after mixing.

ADDITIONAL INGREDIENTS: Benzyl Alcohol - Benzoic Acid - Dehydroacetic Acid: EUXYL K903 (SCHÜLKE & MAYR) / Fragrance: ORANGE MANDARINE NATCO (EXPRESSIONS PARFUMÉES) / CI 16035: RED 40 (SENSIENT LCW) / CI 19140: YELLOW 8006J (SENSIENT LCW) / Ricinus communis (Castor) seed oil: Castor Oil (SOPHIM).

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