



HAIR CARE

# US20162A | Knot Anymore! Detangling Spray

A leave-on milk with conditioning effect



Solution



NOC = 96.2%

NATURALITY PROFILE according to ISO 16128 norm

Easy combing

Hair smoothing

Nourishing

<b>A</b>	D.I Water	81.40%
<b>B</b>	Glycerin	1.50%
	<b>XYLISHINE™</b>	<b>3.00%</b>
	<b>SEPICAP™ MP</b>	<b>1.00%</b>
<b>C</b>	<b>SIMULQUAT™ HC 305</b>	<b>2.50%</b>
	<b>EMOGREEN™ L15</b>	<b>5.00%</b>
	<b>KARITE ON**</b>	<b>3.00%</b>
	<b>INULA HC</b>	<b>1.00%</b>
<b>D</b>	Phenylpropanol - Propanediol - Caprylyl Glycol - Tocopherol	1.00%
<b>E</b>	Fragrance "Magic Berry"	0.50%
<b>F</b>	Citric Acid, 30% solution PH to 5.0	0.10%

With WESOURCE

White sprayable fluid / Packaging: Spray

pH: 5.0 / **VISCOSITIES: 1M at RT:** 1400 cps Brookfield LV spindle 62 @ 12 rpm  
**Recovery at RT (after 1M at 45°C):** 2010 cps Brookfield LV spindle 62 @ 12 rpm  
**STABILITY:** Passed 3 months at RT, 45°C, 3 F/T cycles -5°C/+40°C.

**FORMULATION ADVICES: Laboratory scale - 300g batch**  
Premix phase B ingredients and add to phase A and mix well, then add phase C while mixing. Add phase D to phase ABC while homogenizing at 5000 rpm for 5 minutes. While homogenizing, add phase E and then phase F ingredients and homogenize for a few more minutes. Check and adjust pH to 5.0 with citric acid solution.



COLD PROCESS

**A very fine and light sprayable white milk with conditioning & nourishing properties**  
*Easy combing and protective effect on the hair!*

**SIMULQUAT™ HC 305** is a **cationic liquid polymer** providing a **silicon-like feel and conditioning effect** (Acrylamidopropyltrimonium Chloride/Acrylates Copolymer and Isohexadecane and coceth-7)  
A pre-neutralized, cold processable cationic liquid polymer with excellent stabilizing and thickening properties. It creates sprayable to thick textures ideal for hair conditioners and treatments.

**EMOGREEN™ L15** is an alternative to volatile silicone oils, providing **instant conditioning, shine, eases combing and smoothes the cuticles** (C15-19 Alkane (Plant-based & Renewable))  
Non polar and biodegradable alkanes, it's a 100% plant-based emollient with **lightweight and non-greasy skin feel** with a powdery finish.

**KARITE ON\*\*:** Shea Olein - or shea oil - **softens the hair and is easy to use in this fluid formulation** (Butyrospermum Parkii (Shea) Butter Extract)  
A **100% natural emollient** made of the liquid fraction of shea butter with a low melting point. It provides nourishing properties and can be easily added to fluid and cold processable formulations.

**SEPICAP™ MP** a thermo-activated active that **protects keratin and hair lipids while smoothing the cuticles and boosting hair roots** (Sodium Cocoyl Amino Acids - Potassium Dimethylicone PEG-7 Panthenyl Phosphate)  
Biovector of amino acids and panthenol, **SEPICAP™ MP** is a powerful **nutritive cocktail** for hair that helps to fight the harmful effects of oxidative stress. It simultaneously protects the **integrity of the hair shaft and root as well as it smoothes scales.**

**XYLISHINE™** is an active ingredient rich in natural sugars from seaweeds and plants for **shiny hair, volume and defined curls** (Xylitylglycoside and Anhydroxylitol and Maltitol and Xylitol and Pelvetia Canaliculata Extract)  
It deeply moisturizes hair, closes the cuticles and showed in vivo curl **definition and hair shine.**

**INULA HC** renews the hair protective lipidic barrier and **improves combing, shine and hair color** (Caprylic / Capric Triglyceride (and) Inula Crithmoides Flower / Leaf Extract)  
Oily extract from 'the Golden Samphire', Inula HC stimulates the renewal of the **protective lipidic barrier of dry scalp and hair.** Its antioxidant properties prevent cell & hair fiber damages while its energizing effects keep the scalp active. Hair is **shiny and softer.**

**ADDITIONAL INGREDIENTS:** Glycerin (Natural Sourcing LLC), Phenylpropanol (and) Propanediol (and) Caprylyl Glycol (and) Tocopherol: Sensiva® PA 40 (SCHULKE), Fragrance: Magic Berry SZUM000117 (Sozoi)

\*\*SOPHIM's products distributed in the US by SEPPIC Inc.

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

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