

## COLOR FIXING NANOVECTOR SMOOTHING AND LUBRICANT WITH SILICONES

**CODE:** LIPCUAT-12

Date of last amendment: 21.01.2015

**INCI name:** WATER (AQUA) (AND) PHOSPHOLIPIDS from soybean lecithin (AND) POLYQUATERNIUM-16 (AND) DIMETHICONE (AND) TOCOPHERYL ACETATE.

**DESCRIPTION:** Nanodispersion of phospholipids from soybean lecithin associated to a quaternary polymer that confers positive net charge and high substantivity, encapsulating Silicones and Vitamin E.

**PROPERTIES:** Conditions, lubricates and smoothens both capillary fiber and skin. Has disentangling action, making washing and combing easy. Provides hair brightness, volume and elasticity. Strengthens and improves resistance to traction, helping hair loss due to breakage. Vitamin E confers antioxidant properties. Reduces frizz. When added to oxidation dyes, it improves color fixation and helps prevent its elimination in successive washes.

NAME OF INGREDIENT - INCI ADOPTED NAME	% (weight)	CAS #
Water (Aqua)	50.200	7732-18-5
Phospholipids (from soybean lecithin)	17.000	123465-35-0
Polyquaternium-16	17.000	95144-24-4
Dimethicone	15.000	63148-62-9 / 9006-65-9 / 9016-00-6
Tocopheryl Acetate	0.050	7695-91-2 / 58-95-7
<b>Preservatives:</b> Phenoxyethanol	0.750	122-99-6

<b>Particle size:</b>	100 – 300 nm (DLS)
<b>Manufacturing method:</b>	Microfluidization
<b>Net charge of the liposome:</b>	Positive
<b>Color:</b>	Amber
<b>Appearance:</b>	Semi-translucent to opalescent liquid; mild to high viscosity
<b>Odor:</b>	Mild, characteristic
<b>Water dispersion:</b>	It scatters in all proportions
<b>pH:</b>	5.00 – 7.50 (USP XXVII) (25° C)
<b>Density:</b>	0.980 – 1.050 (USP XXVII) (pycnometer)
<b>Dry residue:</b>	35 gr.% min. (0.5 gr. 1 hour 110° C)
<b>Microbiological control:</b>	Mesophilic bacteria: less than 200 CFU/gr. Moulds & yeast: less than 20 CFU/gr. No pathogens.

**Keep refrigerated (5-15°C / 40-60°F). Do not freeze. Protect from light. Shake before use.**

**EXTERNAL COSMETIC USE**