

TOTAL PROTECTION NANOVECTOR

CODE: LIPCUAT-3

Date of last amendment: 20.12.2021

INCI NAME: WATER (AQUA) (AND) PHOSPHOLIPIDS (AND) POLYQUATERNIUM-16 (AND) PHENYL TRIMETHICONE (AND) DIMETHICONE (AND) ETHYLHEXYL METHOXYCINNAMATE (AND) PANTHENOL (AND) PHENOXYETHANOL (AND) TOCOPHERYL ACETATE.

DESCRIPTION: Nanodispersion of phospholipids from non-GMO soybean lecithin associated to a quaternary polymer that confers positive net charge and high substantivity, which encapsulate and transport Silicone, Solar Filter, Vitamin E Acetate and Panthenol

PROPERTIES: Protects the hair fiber from solar radiation as a result of Ethylhexyl Methoxycinnamate (UVB filter) and Vitamin E acetate (antioxidant). Contains Panthenol that lubricates, fortifies and thickens hair. Provides smoothness, brightness and conditions. Increases elasticity and resistance to traction, reducing hair loss due to breakage. Builds up a **FILLER** effect on the hair fiber, reducing porosity. In dyed hair, helps prevent color loss with subsequent washes.

NAME OF INGREDIENT - INCI ADOPTED NAME	% (weight)	CAS #
Water (Aqua)	70.450	7732-18-5
Phospholipids	11.250	123465-35-0
Polyquaternium-16	10.000	95144-24-4
Phenyl trimethicone	5.000	2116-84-9
Dimethicone	1.000	63148-62-9 / 9006-65-9 / 9016-00-6
Ethylhexyl methoxycinnamate	1.000	5466-77-3
D-panthenol	0.500	81-13-0
Tocopheryl acetate	0.050	7695-91-2
Preservatives: Phenoxyethanol	0.750	122-99-6

Particle size:	100 - 300 nm. (LLS)
Manufacturing method:	Microfluidization
Net charge of the liposome:	Positive
Color:	Yellowish white to brownish
Appearance:	Semi-translucent to opalescent liquid. Absence of foreign matter
Odor:	Mild, characteristic
pH:	5.00 – 7.00 (USP XXVII) (25° C)
Specific Gravity:	0.980 – 1.050 (USP XXVII) (pycnometer)
Dry residue:	25 gr.% min. (0.5 gr. 1 hour 110° C)
Microbiological control:	Mesophilic bacteria: less than 200 CFU/gr. Moulds & yeast: less than 20 CFU/gr. No pathogens.
Heavy Metals:	Arsenic: < 0.02 mg/kg; Lead (Pb): < 0.12 mg/kg; Mercury: < 0.03 mg/kg

Keep in fresh place (5 - 25°C / 40 - 77°F). Do not freeze. Protect from light. As phases may separate, shake before use.

EXTERNAL COSMETIC USE