

## NANOVECTOR FOR HEAT PROTECTION

**CODE:** LIPCUAT-9

Date of last amendment: 21.01.2015

**INCI name:** WATER (AQUA) (AND) PHOSPHOLIPIDS from soybean lecithin (AND) POLYQUATERNIUM-16 (AND) PHENYL TRIMETHICONE (AND) PRUNUS AMYGDALUS DULCIS OIL (AND) HYDROLYZED SILK (AND) PANTHENOL (AND) TOCOPHEROL.

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

**PROPERTIES:** Protects hair fiber from sudden temperature changes, especially when using hair straighteners and hair driers. It forms a protective film that decreases heat transfer speed to hair, preventing burns and/or the formation of vapor bubbles that damage hair structure. Lubricates and conditions, helping straighteners to slip smoothly and avoiding breakage due to mechanical traction. Leaves hair soft and bright.

NAME OF INGREDIENT - INCI ADOPTED NAME	% (weight)	CAS #
Water (Aqua)	71.650	7732-18-5
Phospholipids (from soybean lecithin)	10.000	123465-35-0
Polyquaternium-16	10.000	95144-24-4
Phenyl Trimethicone	5.000	2116-84-9
Prunus Amygdalus Dulcis Oil	1.000	8007-69-0 / 90320-37-9
Hydrolyzed Silk	1.000	96690-41-4
Panthenol	0.500	81-13-0 / 16485-10-2
Tocopherol	0.100	154-28-4 / 16698-35-4 / 10191-41-0 / 119-13-1 / 1406-18-4 / 1406-66-2 / 2074-53-5 / 59-02-9 / 7616-22-0
<b>Preservatives:</b> Phenoxyethanol	0.750	122-99-6

<b>Particle size:</b>	110 – 300 nm. (LLS)
<b>Manufacturing method:</b>	Microfluidization
<b>Net charge of the liposome:</b>	Positive
<b>Color:</b>	Yellowish white to brownish
<b>Appearance:</b>	Semi-translucent to opalescent liquid. Absence of foreign matter
<b>Odor:</b>	Mild, characteristic
<b>Water dispersion:</b>	It scatters in all proportions
<b>pH:</b>	5.00 – 7.00 (USP XXVII) (25° C)
<b>Specific Gravity:</b>	0.980 – 1.050 (USP XXVII) (pycnometer)
<b>Dry residue:</b>	20 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**