

## Power Strand Leave-in Elixir

**N18730-033**

### Description

Wave hello to smooth and manageable curls by using this leave-in conditioner. Armocare® Aqua 12 surfactant is a natural conditioning agent with a natural origin index of 1. Armocare® Aqua 12 delivers instant detangling to wet hair and excellent anti-frizz properties on dry hair. SolAmaze® Natural solution is a 100% natural and biodegradable film former to aid in long term anti-frizz properties and add a natural gloss to the hair without silicone. Structure® Silk starch provides the formulation with its unique texture and glossy appearance, along with a mild film-formation effect to lock your curls in place. Hydrovance® moisturizing agent can restore moisture to the scalp and damaged hair for up to 24 h, thus strengthening the hair from root-to-tip.

### Formula

Trade Name	INCI Name	%w/w	Supplier
<b>Phase A</b>			
Deionized Water	Aqua (Water)	84.480	Local
Structure® Silk starch	Hydroxypropyl Starch Phosphate	0.750	Nouryon
<b>Phase B</b>			
Lactic Acid 80% (Brennspec)	Lactic Acid, Aqua (Water)	0.300	Brenntag
Lanette® O	Cetearyl Alcohol	4.000	BASF
ARMOCARE® Aqua 12 surfactant	Brassicamidopropyl dimethylamine	1.360	Nouryon
Sunflower Oil	Helianthus Annuus (Sunflower) Seed Oil	2.000	Local
SolAmaze® Natural solution	Diisostearoyl Polyglyceryl-3 Dimer Dilinoleate (and) Caprylic/Capric Triglyceride	1.000	Nouryon
<b>Phase C</b>			
HYDROVANCE® moisturizing agent (50% Hydroxyethyl Urea active)		5.000	Nouryon
Citrofol AI	Triethyl Citrate	0.500	Jungbunzlauer
Dissolvine® GL-47-S chelate (47% active)	Tetrasodium Glutamate Diacetate	0.200	Nouryon
Microcare NB	Sodium Benzoate	0.270	Thor
Microcare KS	Potassium Sorbate	0.140	Thor
<b>Total:</b>		<b>100.000</b>	

### Procedure

Into the main mixing vessel charge all the water contained in the formulation and begin mixing with propeller agitation. Pull a vortex two thirds of the way down the mixing blade. Slowly sift into the side of the vortex the structure silk, allowing to disperse and hydrate for approximately 15 minutes. Begin heating to 75°C.

In a separate beaker, add the ARMOCARE Aqua 12, cetearyl alcohol, and sunflower oil and begin heating to 75°C. Once everything has melted together, incorporate the lactic acid and then finish with the addition of SolAmaze Natural.

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Once both mixtures have reached temperature, add Phase A to Phase B under strong mixing and hold for 10 minutes.

After 10 minutes, shut off heating and allow the mixture to cool to 50°C. After the batch has cooled to 50°C, add the preservatives from Phase C.

Switch to a paddle blade mixer and lower the mixing speed to allow the batch to cool. Once the batch reaches 40°C, add the Hydrovance, Dissolvine GL-47-S, and any remaining ingredients of Phase C.

Once the formula has cooled down to below 30°C, carefully adjust the pH to approximately 4 using lactic acid.

#### Properties

Appearance	White emulsion
Viscosity	15000 - 30000 centipoise    Speed: 5 rpm, Spindle: RV6 , Temperature: 25 °C
pH	3.5 - 4.5

#### Packaging

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