



## Fresh H'AIR Detoxifying Spray

This amazing detox spray will refresh and protect hair on-the-go! **Dow Corning® CE-1874 Microemulsion** creates a very light and fluid texture. Its specific technology helps with hair repair and leave-in conditioning. **Dow Corning® CB-3046 Fluid** is suitable for every hair type. It delivers superior frizz control, curl definition, shine, heat protection and natural look and feel. **Danox® HC-30** is an eco-friendly hair conditioning product with excellent fly-away control and general holistic feeling due to the combination of cationic surfactants and fatty alcohols. **Emanon® EV-E** will not only act as a stabilizer, but it will help the deposition of fragrance, oils, and silicones as well as the **Vida-Care USB-25** UV-filters on hair. It also enhances the anti-pollution properties of the **Moringa oil** and will help to reduce the combing force and increase the conditioning effect of silicones. **Exceparl® LM-LC** stabilizes the viscosity and modifies the rheology giving an excellent and easy sprayability.

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PERSONAL CARE

	Trade name	INCI name	Supplier	%	
A	1	Water (Aqua)	Univar*	Q.S	
	2	Danox® HC-30	Behenamidopropyl Dimethylamine (and) Dipalmitoylethyl Hydroxyethylmonium Methosulfate (and) Cetyl Alcohol (and) Stearyl Alcohol (and) Lactic Acid	Kao Chemicals Europe / Univar*	3.0
	3	Propylene Glycol	Propylene Glycol	Univar*	0.5
B	4	Water (Aqua)	Univar*	31.6	
	5	Emanon® EV-E	Glycereth-7 Caprylate/Caprate	Kao Chemicals Europe / Univar*	2.0
C	6	Water (Aqua)	Univar*	3.89	
	7	Amidet® N	PEG-4 Rapeseedamide	Kao Chemicals Europe / Univar*	3.89
	8	Dow Corning® CE-1874 Microemulsion	PEG-7 Dimethicone (and) Laureth-7 (and) Polysorbate 20	Dow Corning / Univar*	6.67
	9	Dow Corning® CB-3046 Fluid	Dimethicone (and) Phenyl Trimethicone (and) Trimethylsiloxy silicate (and) Dimethiconol	Dow Corning / Univar*	5.0
	10	Biochemica® Moringa Oil NAT	Moringa oleifera Seed Oil	Hallstar	1.0
D	11	Vitamin E Acetate	Tocopheryl Acetate	Rita / Univar*	0.2
	12	Vida-Care USB-25	Octocrylene, Butyl Methoxydibenzoylmethane, Benzophenone-3, Ethylhexyl Methoxycinnamate, Ethylhexyl Salicylate, C12-13 Alkyl Lactate	Lambson / Univar*	6.0
E	13	Coton Blanc SY153247	Fragrance	Kao Fragrances / Univar*	1.0
	14	Stabil ZERO	Pentylene glycol, Caprylyl glycol, Ethylhexylglycerin	Akema / Univar*	1.5
	15	Exceparl® LM-LC	Lauryl Lactate	Kao Chemicals Europe / Univar*	2.0

\* Please contact your regional Univar sales representative to ensure that mentioned products are distributed in your country.

Reference: BE4516

Issued by: Univar's EMEA PC Laboratory in Brussels, Belgium

Contact: [personalcareEMEA@univar.com](mailto:personalcareEMEA@univar.com) | [www.univar.com](http://www.univar.com)

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## Procedure (Hot process)

- Heat phase A up to 75°C and then stir until homogeneous at high speed (around 1000rpm during 3min).
- Start cooling down phase A with gentle stirring.
- Pre-mix phase B and add it slowly into phase A under stirring. Temperature will decrease until room temperature.
- Pre-mix phase C and add it under stirring until homogeneous.
- Add phase D under stirring until homogeneous (homogenize 1min/100g with Ultra Turrax).
- Add phase E one by one under gentle stirring until homogeneous.
- Adjust pH if necessary with Lactic acid 88% (pH recommended between 3 and 4 to improve performance of Danox® HC-30 and formulation stability).

## Stability

Stable at least 1 month at room temperature and 40°C (still ongoing).

## Comments

- Viscosity (spindle 3 ; 30 rpm ; 1 min) = 2,370 cPs (71.2%)
- pH = 4.06
- Leave-on hair care white fluid: odor refresher, anti-pollution, and manages hair
- Application: finger-comb, wet-comb or dry-comb, this leave-in conditioning serum can be applied at any time