

HEAT GUARD HAIR PROTECTOR

Love a good styling tool, but scared to damage your hair? **Heat Guard Hair Protector** is designed for you! This weightless pre-style heat protector will reduce the blow dry time and increase hair resistance to breakage. Its advanced ingredient system facilitates combing while deeply conditioning your hair and helps styles last longer.

DANOX® HC-30: powerful eco-friendly and ready-to-use conditioner. Combines fatty alcohols and cationic surfactants for ultimate conditioning properties, excellent fly away control, detangling and good sensory feel. Vegetable origin. Naturality >86%.

Organic Avocado Oil Crude: vegetable oil rich in monosaturated fats. Widely used for hair treatment as it reinforces the hair, reduces dandruff, prevents hair breakage and protects the hair from external damages.

DOWSIL™ 969 Emulsion: conditioning and heat protecting agent. Cationic based emulsion of amodimethicone. Gives ease of styling and long-lasting.

Organic Lime Distilled Oil: essential oil, gives a vibrant natural fragrance to the product.

Kem Nat β: NaTrue and COSMOS approved preservative providing a truly broad spectrum protection.



Trade name	INCI name	Function	Supplier	%
Phase A				
	Water (Aqua)	Solvent	Univar*	Q.S: 79.47
	Glycerin	Humectant, vegetable origin	Univar*	5.0
Phase B				
DANOX® HC-30	Behenamidopropyl Dimethylamine (and) Dipalmitoylethyl Hydroxyethylmonium Methosulfate (and) Cetyl Alcohol (and) Stearyl Alcohol (and) Lactic Acid	Hair conditioner, naturally-derived emulsifier	Kao Chemicals Europe / Univar*	3.5
Organic Avocado Oil Crude	Persea gratissima Oil	Emollient, hair conditioner	Earthoil by Univar *	1.0
Phase C				
DOWSIL™ 969 Emulsion	Amodimethicone (and) Cetrimonium Chloride (and) Trideceth-3 (and) Trideceth-15	Heat protection, hair conditioner	Dow / Univar *	9.52
Organic Lime Distilled Oil	Citrus aurantifolia Oil	Essential oil, hair radiance boosting	Earthoil by Univar *	0.1
Vitamine E Acetate	Tocopheryl Acetate	Anti-oxidant	Rita	0.5
Kem Nat β	Benzyl Alcohol, Glyceryl Caprylate, Benzoic Acid, Propanediol	Preservative, NaTrue and COSMOS approved	Akema / Univar*	0.8
Citric Acid Monohydrate CAM N1560 (30% solution in water)	Citric Acid	pH adjuster	Jungbunzlauer / Univar*	0.11

Procedure (Hot process)

1. Separately prepare and heat phase A and phase B until 75°C
2. Slowly add phase B to phase A under low agitation. Let phase AB cool down while mixing at medium shear to avoid incorporation of bubbles
3. When temperature is under 40°C, add ingredients of phase C one by one. Homogenize between each addition

Comments

- pH = 3.78
- Viscosity (spindle 4; 10 rpm; 1 min) = 6,360 cPs (31.7%)
- Application: Spray on hair tips before styling and gently massage for conditioning effect and heat protection.
- Yellowish lotion.

Stability

Stable at least 2 months at 4°C, RT and 40°C (still ongoing)

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