

Formulation

Hydra Boost Silky Sun Spray

MS 18/25-61

Phase	Ingredients	Dose (% W/W)
A	TEGO® Care PBS 6 MB (Polyglyceryl-6 Stearate (and) Polyglyceryl-6 Behenate)	3.50
	TEGOSOFT® BC MB (Butylene Glycol Dicaprylate/Dicaprate)	10.00
	TEGOSOFT® CR MB (Cetyl Ricinoleate)	1.00
	ECOHANCE® Soft BOL (Butyl Oleate)	5.00
	TEGO® FILMSTAR BST1 (Behenoyl Polyglyceryl-3 / Hydrogenated Dilinoleic Acid / Sebacic Acid Crosspolymer)	1.50
	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	5.00
	Diethylamino Hydroxybenzoyl Hexyl Benzoate	5.00
	Ethylhexyl Salicylate	5.00
	Ethylhexyl Triazone	2.00
	TEGO® Feel C 10 (Cellulose)	1.00
	dermofeel® Toco 70 non GMO (Tocopherol, Helianthus Annuus (Sunflower) Seed Oil)	0.20
B	Water (Aqua)	33.60
	Glycerin	3.00
	Kelcogel CG-HA (Gellan Gum)	0.10
	EDTA	0.10
C	Phenylbenzimidazole Sulfonic Acid	4.00
	Water (Aqua)	14.23
	Tromethamine	1.77
D	Verstail® BOB (Benzyl Alcohol; Caprylyl Glycol; Benzoic Acid)	2.00
	SKINLIPIX® HydraShield (Ceramide NP; Ceramide NG; Sorbitol; Aqua, Betaine; Polyglyceryl-10 Stearate; Polyglyceryl-6 Behenate)	2.00
E	Tromethamine (30% sol. in water)	q.s.
	Perfume	q.s.

PROCESSING

1. Heat phase A and B separately to approx. 80 °C.
2. Add phase A to phase B with stirring¹).
3. Homogenize.
4. Cool with gentle stirring to approx. 60 °C and add phase C.
5. Homogenize for a short time.
6. Cool with gentle stirring and add phase D below 40 °C.
7. Add phase E and adjust the ph to 6.8 – 7.2

*Important: If phase A has to be charged into the vessel first, phase B must be added without stirring.

REMARKS

Calculated values*:

SPF: 54.3

UVA-Balance: 35%

Critical Wavelength: 377 nm

* SUNSCREEN OPTIMIZER

APPEARANCE

light yellow Spray

VISCOSITY

10 Pas (Brookfield RV DV-I, sp. 4.5 rpm)

PH VALUE

6.8 -7.2

STABILITY TEST

In Process

MICROBIOLOGICAL SAFETY

Challenge test passed

Disclaimer

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