

Formulation

Velvet Moment Sun Fluid

MS 22/25-24

Phase	Ingredients	Dose (% W/W)
A	dermofeel® easymuls plus (Glyceryl Oleate Citrate)	3.00
	TEGOSOFT® CR MB (Cetyl Ricinoleate)	2.00
	TEGOSOFT® BC MB (Butylene Glycol Dicaprylate/Dicaprate)	5.00
	dermofeel® sensolv MB (Isoamyl Laurate)	2.00
	TEGOSOFT® XC MB (Phenoxyethyl Caprylate)	8.00
	TEGO® FILMSTAR BST1 (Behenoyl Polyglyceryl-3 / Hydrogenated Dilinoleic Acid / Sebacic Acid Crosspolymer)	1.50
	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	4.00
	Diethylamino Hydroxybenzoyl Hexyl Benzoate	2.00
	Ethylhexyl Triazone	1.00
	Ethylhexyl Salicylate	5.00
	dermofeel® Toco 70 non GMO (Tocopherol, Helianthus Annuus (Sunflower) Seed Oil)	0.20
B	Water (Aqua)	48.90
	Glycerin	3.00
	Keltrol CG-SFT (Xanthan Gum)	0.40
	Kelcogel CG-HA (Gellan Gum)	0.10
	Golden C® NG (Water (Aqua), Sorbitol, Propanediol, 1-2 Hexanediol, Caprylyl Glycol, Xanthan Gum, Ascorbic Acid, Gold, Glutathione)	0.50
	dermofeel® PA-3 (Sodium Phytate, Aqua, Alcohol)	0.05
C	Phenylbenzimidazole Sulfonic Acid	2.00
	Water (Aqua)	7.12
	Tromethamine	0.88
D	Tromethamine (30% sol. in water)	1.50
E	Verstatil® BOB (Benzyl Alcohol; Caprylyl Glycol; Benzoic Acid)	1.75
F	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/E below 40 °C.
7. Add phase F 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: 31.1

UVA-Balance: 42%

Critical Wavelength: 375 nm

* SUNSCREEN OPTIMIZER

APPEARANCE

light yellow Fluid

VISCOSITY

18 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

This formulation proposal and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee regarding the formulation proposal in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of the formulation proposal in the respective application field. Performance and properties of the formulation proposal described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH

Care Solutions
Goldschmidtstraße 100
45127 Essen
Germany
Phone +49 201 173-2546
Fax +49 201 173-712546