

FORMULATION SHEET

ELEMENTIS

Sunscreen Oil

S-4010-04

DESCRIPTION

This sprayable sunscreen oil is convenient to use, it can evenly cover the skin and provide good sun protection and water resistance.

Phase	Ingredient	Supplier	%w/w
A	Homosalate (Eusolex [®] HMS)	Merck	10.00
	Ethylhexyl Salicylate (Eusolex [®] OS)	Merck	5.00
	Octocrylene (Eusolex [®] OCR)	Merck	10.00
	Caprylic/Capric Triglyceride (Crodamo [™] GTCC)	Croda	20.00
	Octyldodecanol (Eutanol [®] G)	BASF	16.00
	C12-15 Alkyl Benzoate (Cetiol [®] AB)	BASF	10.00
	Lauryl/Isooctyl/Octyldodecyl/Dipropylene Glycol Citrate Copolymer (Naturaluxe[™] MFF)	Elementis	2.00
	Diisopropyl Sebacate (PELEMOL [®] DIPS)	Phoenix	4.00
	Limnanthes Alba (Meadowfoam) Seed Oil (FANCOR[®] MEAD-OWFOAM SEED OIL)	Elementis	3.00
B	Butyrospermum Parkii (Shea) Butter (LIPEX [®] Shea)	AAK	1.50
	Butyl Methoxydibenzoylmethane (Eusolex [®] 9020)	Merck	3.00
C	Tocopheryl Acetate (d- α -Tocopheryl Acetate)	dsm-firmenich	0.50
	Alcohol	Local	15.00

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PROCEDURE

1. Combine Phase A, mix until uniformly.
2. Heat Phase A to 80-85°C. Add Phase B to Phase A, stir until all the powders melted and uniformly.
3. Cool Phase A/B with stirring to room temperature.
4. Add Phase C to Phase A/B and mix until uniformly.

SPECIFICATIONS

Viscosity: RVDV-II. Spindle 2. 100rpm 20-40 cps

Appearance: Yellow liquid

pH: Not applicable

ADVANTAGES

Naturaluxe™ MFF has good compatibility with alcohol and it will help on water resistance as a film former.

FANCOR® MEADOWFOAM SEED OIL is a natural light oil originated from northwest pacific of North America. It contains a unique fatty acid composition and has an extraordinary oxidative stability profile, and meanwhile delivers an elegant and soft skin feel.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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