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WATER IN OIL SUNSCREEN LOTION

BY 3129-58

Water in Oil Sunscreen Lotion containing FANCOL® IH-CG, BENTONE GEL® IPM V, FANCOR® ABYSSINIAN OIL and NANOX™ 200.

Advantages

The presence of BENTONE GEL® IPM V, FANCOL® IH-CG, FANCOR® ABYSSINIAN OIL and NANOX™ 200 additives in this system:

- Give body and an nice skin feel to the formula while providing UV protection

Ingredient	Supplier	% w/w
PHASE A		
FANCOL® IH-CG (Isohexadecane)	ELEMENTIS Specialties	7.4
BENTONE GEL® IPM V (Isopropyl Myristate, Stearalkonium Hectorite, Propylene Carbonate)	ELEMENTIS Specialties	3.0
FANCOR® ABYSSINIAN OIL (Crambe Abyssinica Seed Oil)	ELEMENTIS Specialties	2.0
Tegosoft OS (Octyl Stearate)	Evonik	10.0
Parsol MCX (Ethylhexyl Methoxycinnamate)	DSM	6.0
Protachem IPM (Isopropyl Myristate)	Protameen	4.1
Tegin 4100 Pellets (Glyceryl Stearate)	Evonik	3.0
Abil EM 90 (Cetyl PEG/PPG-10/1 Dimethicone)	Evonik	3.0
Parsol 1789 (Butyl Methoxydibenzoylmethane)	DSM	2.0
Isolan GO 33 (Polyglyceryl-3 Oleate)	Evonik	1.75
Aloe Vera Gel C1X (Canola Oil, Aloe Barbadensis Leaf Juice and Tocopherol)	Natunola	1.0
PHASE B		
NANOX™ 200 (Zinc Oxide)	ELEMENTIS Specialties	5.0
PHASE C		
Distilled Water		44.95
Glycerin		5.0
Magnesium Sulfate Heptahydrate		0.5
Sodium Chloride		0.5
PHASE D		
Vitamin E	BASF	0.5
Phenoxyethanol	UPI	0.2
Germaben II (Propylene Glycol, Diazolidinyl Urea, Methylparaben and Propylparaben)	ISP	0.1
Citric Acid (50%)		qs.
Fragrance (Water Blossom)		qs.

Method of Manufacture

1. Put Phase A into the main vessel and heat to 75°C.
2. Add Phase B and mix well with a Silverson homogeniser.
3. In a separate vessel heat Phase C to 75°C.
4. Add Phase C to Phase A+B and mix with Silverson homogenising.
5. Cool to 35°C and add Phase D with mixing.

N.B.

Please refer to the Product Data Sheets for additional advice on incorporation.

SPECIFICATION:

Appearance: White Lotion

Viscosity (RV, Spindle 5, 100 rpm) : 2368 cps

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