



Sprayable Sunscreen Formulation expected SPF 15 with CORN PO4 PH“B”

“Formulated and developed by GOVA”

Easy sprayable sunscreen, good to absorb and matting, medium UVB- and UVA-protection with Vitamin E against skin irritation

Ingredients	INCI-Name	%w/w	Supplier
Phase A			
Deionized water	Aqua	46,7	
Inutec SP1	Inulin Lauryl Carbamate	0,6	Beneo
Xanthan Gum	Xanthan gum	0,1	
CORN PO4 PH“B”	Distarch Phosphate	4,0	AGRANA
Nexbase 2004 FG	Hydrogenated polydecene	3,0	JanDekker
Isostearyl isostearate	Isostearyl isostearate	7,5	
Silsurf J208	PEG-8 dimethicone	3,0	Siltech
Arlamol PS15E	PPG-15 Stearyl Ether	4,0	Croda
LexFeel D5	Neopentyl glycol diheptanoate (and) isododecane	6,0	INOLEX
TCLC® in Jojoba oil 705	Simmondsia Chinensis Seed Oil (and) Squalane (and) Solanum Lycopersicum (Tomato) Fruit Extract	2,0	IBR
Anfomul S6	Sorbitan isostearate	1,0	Croda
Simulgel NS	Hydroxyethylacrylate sodium acryloyl Dimethyltaurate copolymer (and) squalane and polysorbate-60	1,5	Seppic
D-alpha Tocopherylacetate	Tocopheryl Acetate	1,0	Impag GmbH
Spectrastat	Capryl glycol (and) Capryl-Hydroxamic Acid (and) Glycerine	1,0	INOLEX



Phase B

Neo Heliopan OS	Ethylhexyl Salicylate	5,0	Symrise
Neo Heliopan 303	Octocrylene	7,0	Symrise
Neo Heliopan 357	Butyl Methoxydibenzoylmethane	3,0	Symrise

Phase C

Aloe barbadensis	Aloe barbadensis	3,0	
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Phase D

Fragrance	Fragrance	0,6	
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PROCEDURE

1. Disperse Inutec in water and add xanthan gum and CORN PO4 with mixing.
2. Heat to 40 – 45 °C.
3. Add Nexbase, Isostearyl isostearate, Silsurf J208, Arlamol PS15E, LexFeel D5, TCLC, Anfomul, Simulgel and D-Alpha Tocopheryllacetate with stirring for 15 min.
4. Add Spectrastat with mixing.
5. Pre-mix Neo Heliopan 357, 303 and OS and heat up at 40 – 45 °C, then add to main batch with mixing.
6. Cool to 30 – 35 °C, add Aloe barbadensis and Fragrance, then cool to room temperature with mixing.

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