

Splashy Sun Protection Gel with CORN PO4 PH "B"

"Formulated and developed by Evonik Dr. Straetmans GmbH"

Ingredients	INCI-Name	%w/w	Supplier
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Phase A

Deionised Water	Aqua	41,50	
EDTA	Disodium EDTA	0,10	
Propanediol	Propanediol	5,00	
1,3- Butanediol	Butylene Glycol	5,00	Merck

Phase B

Pemulen TR-2 Polymer	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0,30	Lubrizol
Carbopol Ultrez-21	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0,15	Lubrizol
CORN PO4 PH « B »	Distarch Phosphate	2,00	AGRANA

Phase C

Parsol 1789	Butyl Methoxydibenzoylmethane	4,00	DSM
Parsol 340	Octocrylene	6,00	DSM
Parsol SLX	Polysilicone-15	2,00	DSM
Parsol EHS	Ethylhexyl Salicylate	5,00	DSM
Parsol HMS	Homosalate	10,00	DSM
Citrofol B 2	Acetyl Tributyl Citrate	5,00	Jungbunzlauer
Dermofeel sensolv	Acetyl Tributyl Citrate	3,50	Dr. Straetmans

Phase D

Dermosoft Octicol	Caprylyl Glycol	0,15	Dr. Straetmans
Ethanol denat.	Alcohol Denat.	10,00	

Phase E

Perf. Sun Light 30007434	Parfum	0,30	Drom
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PROCEDURE

1. Heat phase A up to 80°C while stirring.
2. Premix phase B and add to phase A.
3. Heat phase C up to 80°C separately.
4. Add phase C to phase A/B while stirring and homogenize for 1 min.
5. Cool down to room temperature, add phase D while stirring and add phase E.
6. Adjust pH-value if necessary.



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SPECIFICATION

Stability	more than 3 months stable at 20°C, 40°C and 4°C.
Appearance	light yellowish gel-emulsion
pH	5 – 5,5
Viscosity	20.000 – 30.000 mPas Brookfield: TF; Spped 10 rpm
Centrifugation	no separation 4.000 rmp, 15 min

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