



Splashy Sun Protection Gel with CORN PO4 PH "B"

"Formulated and developed by Evonik Dr. Straetmans GmbH"

| Ingredients | INCI-Name | %w/w | Supplier |
|-----------------------------|---|-------------|--------------------|
| Phase A | | | |
| Deionised Water | Aqua | 41,50 | |
| Edeta BD | Disodium EDTA | 0,10 | BASF |
| Zemea Propanediol | Propanediol | 5,00 | DuPont Tate & Lyle |
| 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 |

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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