



Lightweight Sunscreen Lotion with CORN PO4 PH"B" Hot/Cold/Cold Processed, SPF 30 Calculated

"Formulated and developed by Cremer Oleo GmbH & Co. KG"

Ingredients	INCI-Name	%w/w	Supplier
Phase A			
Uvinul [®] A Plus	Diethylamino Hydroxybenzoyl Hexyl Benzoate	4,00	BASF AG
Uvinul [®] MC 80	Ethylhexyl Methoxycinnamate	10,00	BASF AG
Phase B			
IMWITOR [®] 375	Glyceryl Citrate/Lactate/Linoleate/Oleate	1,00	CREMER Care
CremerCOOR [®] PPG 810	Propylene Glycol Dicaprylate/Dicaprate	5,00	CREMER Care
Phase C			
Aqua dem.	Aqua	ad. 100,00	
CremerGLYC Ref. Glycerin 99,5	Glycerin	2,00	CREMER Care
Disodium EDTA	Disodium EDTA	0,10	
Carbopol [®] Ultrez 30	Carbomer	0,30	The Lubrizol Corporation
Preservative	Preservative	q.s.	
Phase D			
CORN PO4 PH"B"	Distarch Phosphate	2,00	AGRANA
Phase E			
Tinosorb [®] M	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol (and) Aqua (and) Decyl Glucoside (and) Propylene Glycol (and) Xanthan Gum	2,50	BASF AG



Phase F

Dermacryl [®] AQF	Acrylates Copolymer	2,00	Akzo Nobel
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Phase G

Ethanol (96%)	Alcohol denat.	5,00	
Citrate Buffer 0,1 mol/l pH 6,4	Citric Acid and Sodium Hydroxide	10,00	

Phase H

Sodium Hydroxide 10% in water	Sodium Hydroxide	q.s.	
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Phase I

Tocopherol	Tocopherol	0,50	
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Phase J

Fragrance	Parfum (EU) /Fragrance (US)	q.s.	
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PROCEDURE

1. Phase A is heated up to 80°C and phase B is mixed at room temperature.
2. Add phase B to phase A.
3. Mix phase C at room temperature, homogenise and stir for a while.
4. Add phase A/B to phase C. Homogenise.
5. Add phase D to phase A/B/C.
6. Phases E, F + G will be added into the emulsion by stirring.
7. Add phase I and J.
8. Adjust with phase H to a pH value of 6,5.

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