

## Preparing Sun Face Fluid (O/W) with CORN PO4 PH"B"

"Formulated and developed by CLR"

**Ingredients**                      **INCI-Name**                      **%w/w**    **Supplier**

### Phase A

Emulgade SE-PF	Glyceryl Stearate, Ceteareth-20, Cetearc 12, Cetearyl Alcohol, Cetyl Palmitate	7,00	BASF
Cetiol CC	Dicaprylyl Carbonate	4,00	BASF
Cetiol J 600	Oleyl Erucate	3,00	BASF
Cetiol OE	Dicaprylyl Ether	2,00	BASF
Cetiol A	Hexyl Laurate	4,00	BASF

### Phase B

Water	Aqua	ad 100	
<b>CORN PO4 PH "B"</b>	<b>Distarch Phosphate</b>	<b>4,00</b>	<b>AGRANA</b>
Karion F	Sorbitol	3,00	Merck
Keltrol F	Xanthan Gum	0,40	CP Kelco

### Phase C

Phytosan™	Aqua (Water), Glycerin, Glycine Soja (Soybean) Seed Extract	5,00	CLR
Euxyl PE9010 <sup>1</sup>	Phenoxyethanol, Ethylhexylglycerin	0,80	Schülke

### Phase D

NaOH (10%)	Sodium Hydroxide	q.s.	
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### PROCEDURE

1. Heat Part A and about 20% of Part B to 75°C.
2. Add Part A to Part B under stirring. Homogenize for 2 minutes.
3. Add the rest of the cold Phase B, homogenize again for a short moment and let the emulsion cool down to below 35°C.
4. Add C and adjust pH-value to 5,0 – 6,0 with D.

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<sup>1</sup> This formula has been manufactured and stability tested using a special preservative, but has not been subjected to microbiological challenge tests.