



Self-Tanning Gel with CORN PO4 PH"B" and UNIPERTAN VEG-242

"Formulation of ASHLAND (ISP) modified by AGRANA STARCH"

CORN PO4 PH"B" facilitates the easy spreading of the Sun-Tan Gel.

UNIPERTAN VEG-242 is a tanning accelerator.

Ingredients	INCI-Name	%w/w	Supplier
Phase A			
Deionized water	Aqua	76,70	
EDTA	Disodium EDTA	0,10	
LUBRAJEL OIL	Glycerin (and) Glyceryl Acrylate/Acrylic Acid Copolymer (and) Propylene Glycol (and) PVM/MA Copolymer	1,00	ASHLAND
STABILEZE QM	PVM/MA Decadiene Crosspolymer	1,00	ASHLAND
LUBRAJEL MS		2,00	
CORN PO4 PH"B"	Distarch Phosphate	2,00	AGRANA
Phase B			
Sodium Hydroxide 10 %	Sodium Hydroxide	1,70	
Phase C			
Dihydroxyacetone	Dihydroxyacetone	4,50	RONA / MERCK
Unipertan Veg-242	Butylene Glycol (and) Acetyl Tyrosinase (and) Hydrolysed Vegetable Protein (an Adenosine Triphosphate	0,50	INDUCHEM
Deionized water	Aqua	10,00	
Phase D			
Liquid Germall Plus	Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl. Butylcarbamate	0,50	ASHLAND



PROCEDURE

1. Add water to Phase A followed by Disodium EDTA with mixing.
2. Add LUBRAJEL OIL and LUBRAJEL MS with good mixing. Mix until completely dissolved.
3. Once LUBRAJELS are fully incorporated, slowly add STABILEZE QM with good mixing. Add starch. Heat to 75 – 80 °C. Maintain this temperature for 15 minutes.
4. Cool batch to 70° C, and add Phase B with mixing.
5. Begin cooling batch to 40 – 45 °C.
6. In a separate beaker, combine Phase C ingredients and allow to mix (using magnetic stirrer) until clear.
7. Once batch has cooled, slowly add Phase C with mixing.
8. Once uniform, add Phase D with mixing. QS for water loss.

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