

## Active Shield Sunscreen Cream SPF - 30

Sr No.	INCI Name, Trade Name	Weight %	Function
<b>Phase A</b>			
1.	2-Ethylhexyl Methoxycinnamate, Octocrylene, 2-Ethylhexyl Salicylate Benzophenone-3, Avobenzone - GalShield® UV Care	15.0	UV filters
2.	Glyceryl Stearate*	5.0	Emulsifier
3.	Isopropyl Myristate*	5.0	Emollient
4.	Caprylic/Capric Triglycerides*	4.0	Emollient
5.	Cetearyl Alcohol Cetostearyl Alcohol*	3.5	Emulsifier
6.	Creagel® Crystal HVO HV	2.0	Film former, Water resistant
7.	Stearic Acid*	2.0	
<b>Phase B</b>			
8.	Water	q.s. upto 100	
9.	PEG-7 Glyceryl Cocoate*	2.0	Emollient and Emulsifier
10.	Glycerin*	2.0	
11.	Hyaluronic Acid*	1.0	Moisturizer
12.	BTMS 50*	0.5	Emulsifier
13.	Novagurad 700*	1.0	Preservative
14.	EDTA*	0.05	Chelating Agent
<b>Phase C</b>			
15.	Vitamin E Acetate*	0.5	Antioxidant
16.	Fragrance	0.5	

**\*These materials are supplied by Cedar Trends & Innovation**

### PROCEDURE:

1. Heat phase A and phase B separately to 75°C with stirring. 2. Add phase A to phase B with constant stirring. 3. Homogenise for 5 minutes and cool it to 40°C. 4. Add phase C. Mix well and cool it to 25°C.

### NOTE:

GalShield® UV Care is cold processable transparent oil; remains free flowing till 5°C. Water based transparent preparations may turn opaque in the presence of GalShield® UV Care

### PROPERTIES:

Appearance: white to off white cream

pH (as is basis): 5.5 to 6.0

Efficacy Testing (In Vitro): SPF - 30, UVA PF - 10