

# SPF 50 Sunspray

Phase	Ingredient	INCI designation	%w/w	Supplier
A	Sucragel AP V2	Glycerine, Aqua, Sucrose Laurate	5.00	Alchemy
B	Parsol 1789	Butyl Methoxydibenzoylmethane	5.00	Ashland Inc.
B	Uvinum T-150	Ethylhexyl Triazone	1.00	Ashland Inc.
B	Uvinul A Plus	Diethylamino Hydroxybenzoyl Hexyl Benzoate	3.00	BASF
B	Parsol MCX	Ethylhexyl Methoxycinnamate	6.50	NK Chemicals
B	Tinosorb S	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	3.00	EMD Chemicals
B	Neohelipan 303	Octocrylene	6.50	Inolex
B	Lexfilm Sun	Polyester-7, Neopentyl Glycol Diheptanoate	3.00	Inolex
C	Water	Aqua	62.4	-
C	Sucrathix VX	Microcrystalline Cellulose, Cellulose Gum, Xanthan Gum	1.00	Alchemy
D	Dermasoft 1388 ECO	Glycerin, Aqua, Sodium Levulinate, Sodium Anisate	3.50	Dr. Straetmans
D	Dermofeel PA-3	Sodium Phytate, Aqua	0.10	Dr. Straetmans

## DESCRIPTION:

Thin white emulsion.

## MANUFACTURING PROCESS:

Heat Phase A to 70°C.

Mix together Phase B and heat to 70°C.

Slowly, add Phase B into the Sucragel under propeller mixer at quite a fast speed to form a gel.

Disperse the Sucrathix in the water. Heat this mixture up to 70°C and homogenise.

Slowly add Phase C into the oily gel under constant stirring. Finally homogenise for 5 minutes until the emulsion is homogenous.

Cool down to room temperature and finally add Phase D.

## STABILITY TESTS:

N.B Sucragel AP V2 can be replaced with Sucragel CF

The preservative system in this formulation has not been challenge tested. Other systems can be used.