

O/W Sunscreen Lotion with SPF50 PA++

Description: This formula delivers high SPF and safe broad-spectrum protection against UVA and UVB radiation. It is an easily spreadable and water-resistant formula, suitable for all skin types and leaves silky and non-greasy skin feeling.

	Ingredient	%W/W	Supplier/INCI Name	Function
A	Glyceryl Stearate (and) PEG-100 Stearate	2.8	Croda/Glyceryl Stearate (and) PEG-100 Stearate	Emulsifier
	Glyceryl Monostearate	1.0		Emulsifier
	Cetearyl Alcohol	0.8		Thickener
	Olesun™ OT	3.0	Sino Lion/ Ethylhexyl Triazone	Sunscreen
	Cyclopentasiloxane (and) Cyclohexasiloxane	3.00		Emollient
	Ethylhexyl Methoxycinnamate	7.00	ISP/Ethylhexyl Methoxycinnamate	Sunscreen
	Evertouch™ LP-S	3.00	Sino Lion/ Isopropyl Lauroyl Sarcosinate	Solvent, Emollient
	Olesun™ Z70-ICC	8.0	Sino Lion/ Zinc Oxide (and) Diethylhexyl Carbonate	Sunscreen
	Polymethyl Methacrylate	3.0		Film Former, Sensory Modifier
B	Deionized Water	To 100		
	Disodium EDTA	0.05		Chelating Agent
	Glycerin	5.0		Emollient
	Evermap™ 160K	1.5	Sino Lion/ Potassium Cetyl Phosphate	Emulsifier
	SuperGel™ CE	0.2	Sino Lion/ Carbomer	Thickener

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C	Olesun™ M	5.0	Sino Lion/ Methylene Bis-benzotriazolyl Tetramethylbutylphenol	Sunscreen
D	Polyacrylamide (and) C13-14 Isoparaffin (and) Laureth-7	0.6		Thickener, Stabilizer
E	EverExtract™ PO	5.0	Sino Lion/ Portulaca Oleracea Extract	Anti-inflammatory Agent
	Triethanolamine	0.25		pH Adjuster
	EverPro™ LCG	1.2	Sino Lion / Ethyl Lauroyl Arginate HCl, Caprylyl Glycol, Glycerin	Preservative
	Fragrance	q.s.		

Procedure

1. Heat Phase A to 85°C while stirring until uniform;
2. Heat Phase B to 85°C while stirring until uniform, add Phase C while stirring, then homogenize for 2-3 minutes until uniform;
3. Add Phase A into Phase B+C then add Phase D while stirring, and homogenize for 2-3 minutes until uniform;
4. Cool to 45 ± 2°C, Add Phase E while stirring until uniform then cool to room temperature with mixing.

Properties

Appearance: White Lotion
 Viscosity: 8,000-12,000 cP (about 25°C, Brookfield, RV4, 20rpm, 4/5# spindle)
 pH (25°C): 6.5-7.5

Features:

- This formula delivers really high and safe broad spectrum protection against UVA and UVB radiation, especially under extreme sun conditions requiring particularly high sun protection.



Sino Lion

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- It is an easily spreadable and water-resistant formula, suitable for all skin types.
- It leaves silky and non-greasy skin feeling with Olesun™ Z series products which have unique size and smooth surface thanks to Sino Lion's unique and environmental manufacturing process.
- It reduces the risk of allergies with plant-based anti-inflammatory agent-EverExtract™ PO.