

Sun Care Ingredients

UV Absorbers:

Escalol™ HMS	Escalol™ S	Escalol™ 507	Escalol™ 517
Escalol™ 557	Escalol™ 567	Escalol™ 577	Escalol™ 587
Escalol™ 597			

UV Enhancers:

Advantage™ Plus	BELSIL® CDM 3526	Polargel® UV	Enhans Waxes
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Film Formers:

Ganex™ Polymers	BELSIL® TMS 803	BELSIL® REG	BELSIL® RG
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Viscosity Modifiers:

Albagel®	Carbomer	Klucel™	RapiThix™
Polargel®	Lubrajel™	Natrosol™ HEC	UltraThix™
MAS	FlexiThix™	Natrosol™ Plus	

Emulsifiers:

Kostol NatureMuls	PEG-8 Beeswax	BELSIL® DMC 6038	BELSIL® DMC 6031
Emulsifying Wax NF	BELSIL® SPG 128	Cerasynt™	BELSIL® OW 1500
Kostol STMS	Permulin D	ProLipid® 141 & 151	BELSIL® WO 500

Emollients

Ceraphyl™ Esters	Shea Butter	BELSIL® CDM 3526	Natural Oils
Lubrajel™	Cocoa Butter	BELSIL® CM 7026	Evoil® Oil Blends
Jolee 7750	BELSIL® DM Fluids	BELSIL® GB 2050	Kester K-24
Orange Peel Wax			

Preservatives

Silverion™ 2400	Optiphen™	Conarom™	Germaben™
Germall™	LiquaGard™	LiquaPar™	Suttocide™ A

Functionality:

Avenacare™-Soothing
 BELSIL® EG - Texture and Skin Feel
 Sumicos™ & Prestige® - Visual Enhancement
 Vincience™ - Functional Ingredients

Daily Defense Cream 03-066

Phase A	% W/W	Supplier
Deionized Water	31.80	
Bentonite (Polargel® HV 364).....	1.00	BSI
Water (and) Bentonite (and) Titanium Dioxide (and) Sodium Polyacrylate (and) Picea Abies Wood Extract (and) Xanthan Gum (and) Phenoxyethanol (and) Ethylhexylglycerin (Polargel® UV 1416)	3.50	BSI
Glycerin (and) Glyceryl Polyacrylate (Lubrajel™ II XD)	8.00	BSI – Ashland
Synthetic Fluorophlogopite (Mica Snow 600)	1.00	BSI
Phase B		
Xanthan Gum (Rhodiacare® T)	0.20	Rhodia
Glycerin	3.00	Brenntag
Deionized Water	15.00	
Phase C		
Cetearyl Alcohol (and) Cetearth-20 (Permulgin D).....	4.00	BSI - Koster
PEG/PPG-20/20 Copolymer (and) PEG/PPG-20/20 Dimethicone (BELSIL® OW 1500).....	5.00	BSI – Wacker
Dimethicone (BELSIL® DM 350)	2.00	BSI – Wacker
Isoamyl Laurate (Jolee 7750)	2.00	BSI - Oleon
Myristyl Myristate (and) Myristyl Laurate (Ceraphyl™ 424)	2.00	BSI – Ashland
Squalane (Olive derived Squalane)	1.00	BSI – Textron
Argania Spinosa Kernel Oil (Argan Oil)	2.00	BSI – Textron
Ethylhexyl Methoxycinnamate (Octinoxate) (Escalol™ 557)	7.50	BSI - Ashland
Ethylhexyl Salicylate (Octinoxate) (Escalol™ 587)	3.00	BSI - Ashland
Phase D		
Dimethicone (and) Dimethicone/Vinyltrimethylsiloxysilicate Crosspolymer (BELSIL® REG 1102).....	3.00	BSI - Wacker
Phase E		
Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate (Liquid Germall™ Plus).....	0.50	BSI - Ashland
Water (and) Artemia Extract (GP4G™ BA)	2.00	BSI – Ashland
Water (and) Propanediol (and) Hexapeptide-42 (Casplaine™ 14).....	0.50	BSI – Ashland
Silica (and) Lauroyl Lysine (SoftSphere LL).....	2.00	BSI

About the Ingredients:

Escalol 557: Octinoxate (Ethylhexyl Methoxycinnamate) is the most widely used sunscreen in the world. Broad UV-B absorbency profile. Water insoluble. Category I sunscreen in the US; use at 2-7.5%. Approved worldwide.

Escalol 587: Octisalate (Ethylhexyl Salicylate) is a secondary UV-B absorber used in high-SPF formulas. Oil-soluble. Excellent solubilizer and coupler for other sunscreen actives. Category I sunscreen in the USA; use at 3-5%. Approved worldwide.

Casplaine 14: Synthetic peptide designed to enhance skin's natural UV defenses and help fight the signs of aging.

GP4G BA™: A biofunctional ingredient containing a unique plankton extract that is designed to energize and to help protect the skin from environmental stress. GP4G™BA has been shown in vitro to help skin limit UV-induced DNA damage.

Polargel UV 1416: Demonstrates high SPF boosting capacity (greater than 50%) while enhancing UVA/UVB performance and stabilizes emulsions.

Mica Snow: The high purity (low lead) of Synthetic Fluorophlogopite makes it especially desirable for face applications. It has a soft, silky skin feel and enhances products by providing an elegant shimmery look and glossy luster. At low percentages it provides a soft, dewy youthful appearance.

Soft Sphere LL: A spherical silica powder encased with Lauroyl Lysine in the pores and scattered on the surface. Spherical silica powder imparts smoothness, soft focus effects and a fine touch while the Lauroyl Lysine provides good lubricity, smooth spreading, and gives excellent adhesion.

BELSIL® REG 1102: A silicone resin elastomer gel that has a cushiony and velvety feel on skin and improves product spreadability. BELSIL® REG 1102 also provides a long-lasting non-tacky film, enhancing water and transfer resistance.

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