

### Natural Sun Protection Cream

Protect your skin against the damaging effects of the sun with this fragrance and chemical filter free cream. This advanced sun protection cream with **Helioguard 365** a natural product from Sea Algae to protect the skin against photo aging.

	Trade Name	INCI Name	Function	%W/W	Supplier
1	Deionized Water	Aqua	Solvent	47.5	
2	<b>DermiVeil</b>	<b>Barley (Hordeum vulgare) Starch</b>	<b>Thickener</b>	<b>5</b>	<b>Oat Cosmetics Via ProTec Ingredia</b>
3	KELTROL® RD	Xanthan Gum	Thickener	0.1	Azelis
4	Organic Glycerin	Glycerin	Humectant	4	ProTec Botanica
5	<b>LIPID P75</b>	<b>Phosphatidylcholine, Tocopherol</b>	<b>Emulsifier</b>	<b>0.75</b>	<b>Lipoid Kosmetik UK</b>
6	<b>PHOSPHOLIPON® 80 H</b>	<b>Hydrogenated Lecithin</b>	<b>Emulsifier</b>	<b>0.75</b>	<b>Lipoid Kosmetik UK</b>
7	euxyl®PE9010	Phenoxyethanol and Ethylhexyglycerin	Preservative	1.1	Schulke UK
8	Magnesium sulphate	Magnesium sulphate	Stabiliser	0.75	Azelis
9	<b>Floraesters® 15</b>	<b>Jajoba Esters</b>	<b>Emollient ester</b>	<b>5</b>	<b>Floraetch Via ProTec Ingredia</b>
10	Floviva Sweet Almond Oil	Prunus Amygdalus Dulcis (Sweet Almond) Oil	Emollient	5	ProTec Botanica
11	<b>Floraesters® 70</b>	<b>Jajoba Esters</b>	<b>Structurant</b>	<b>1</b>	<b>Floraetch Via ProTec Ingredia</b>
12	<b>Olive Squalane</b>	<b>Squalane</b>	<b>Emollient</b>	<b>2</b>	<b>EFP Biotek Via</b>
13	G-Block™ DZ 370 CCT	Zinc Oxide (and) Caprylic/Capric Triglyceride (and) Polyhydroxystearic Acid (and) Polyglyceryl-3 Polyricinoleate (and) Isostearic Acid (and) Lecithin	Sun Screen	22	DKSH
14	<b>Helioguard 365</b>	<b>Aqua/Water (and) Lecithin (and) Alcohol (and) Sodium Lactate (and) Porphyra Umbilicalis (and) Phenoxyethanol</b>	<b>Active Ingredient</b>	<b>5</b>	<b>Mibelle Via ProTec Ingredia</b>

ProTec Ingredia Ltd.

Unit 10 Delta Court, Manor Way, Borehamwood, Herts., WD6 1FJ, UK

Website: [www.protecingredia.com](http://www.protecingredia.com)

Registered in London No. 07517784 VAT No. GB 100 2120 14

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## Method of Manufacture

### Into the main vessel add:

Deionized Water	Start the mixer on a fast speed.
<b>DermiVeil</b>	Mix until dispersed and no lumps remain.
KELTROL® RD	Mix until dissolved and no lumps remain.
<b>Organic Glycerin</b>	Mix until dispersed.

### Into premix vessel add:

#### Floraesters® 15

Floviva Sweet Almond Oil

#### Floraesters® 70

<b>Olive Squalane</b>	Mix until dispersed.
G-Block™ DZ 370 CCT	Commence heating to 75-80C.

### Into the main vessel add:

#### LIPOID P75

#### PHOSPHOLIPON® 80 H

euxyl®PE9010

Magnesium sulphate

### Heat the main vessel to 75C-80C.

**When both vessels are at 75C-80C add the premix into the main vessel & homogenize for 5 minutes.**

**Commence cooling to 23C with moderate stirring.**

**Adjust the mixer speed accordingly as the product cools and thickens, avoiding aeration.**

### When the product is at 40C or below add:

Helioguard 365	Mix until homogenous.
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### Continue to cool to 23C

**When the product is at 23C check the product specifications.**

## Product Specifications

pH	6.0- 7.0
Viscosity	30,000-35,000 cps LVT Spindle 4, Speed 10, 30 seconds
Colour	White
Appearance	Viscous, mobile liquid emulsion.

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