

## After Sun Lotion

A light soothing after-sun lotion providing moisturisation for dry and sun burned skin. The product features **Florasun 90** a high-oleic sunflower oil and jojoba esters which reduce redness and improve barrier function.

	Trade Name	INCI Name	Function	%W/W	Supplier
1	Purified Water	Aqua		71.4	
2	SeaQuest IDS-35	Tetrasodium. Iminodisuccinate	Sequestreant	0.2	
3	<b>OAT COM USP</b>	<b>Avena sativa (Oat) kernel flour</b>	<b>Soothing</b>	<b>2</b>	<b>Oat Cosmetics via ProTec Ingredia</b>
4	<b>WorléeAloe IF 200x FD</b>	<b>Aloe Barbadensis Leaf</b>	<b>Soothing, Moisturising</b>	<b>0.5</b>	<b>Worlée Via ProTec Ingredia</b>
5	1,3 Butylene Glycol	1,3 Butylene Glycol	Humectant	4	Lanxess
6	<b>Floraesters® 20</b>	<b>Jojoba Esters</b>	<b>Jojoba Emolliency</b>	<b>1</b>	<b>Floratech Via ProTec Ingredia</b>
7	<b>Floraesters® 30</b>	<b>Jojoba Esters</b>	<b>Jojoba Emolliency</b>	<b>1</b>	<b>Floratech Via ProTec Ingredia</b>
8	<b>Florasun® 90</b>	<b>Helianthus Annuus (Sunflower) Seed Oil</b>	<b>Emollient</b>	<b>10.1</b>	<b>Floratech Via ProTec Ingredia</b>
9	<b>Emulpharma 165</b>	<b>PEG-100 Stearate, Glyceryl Stearate</b>	<b>Emulsifier</b>	<b>2.5</b>	<b>Res Pharma Via ProTec Ingredia</b>
10	Protachem™ SMO	Sorbitan Oleate	Emulsifier	0.5	Protameen Chemicals
11	Vitamin E Acetate	Tocopheryl Acetate	Anti Oxidant	0.5	Azelis
12	Sepigel 305	Polyacrylamide & C13-14 Isoparaffin & Laureth-7	Thickener	1.6	SEPPIC UK
13	D-Panthenol 75L	Panthenol	Humectant	0.5	BASF
14	<b>AquaCacteen</b>	<b>Opuntia Ficus-Indica Stem Extract (and) Glycerin (and) Phenoxyethanol (and) Aqua</b>	<b>Active Ingredient</b>	<b>2.5</b>	<b>Mibelle Via ProTec Ingredia</b>
15	<b>Corum 9230</b>	<b>Menthol (and) Menthyl lactate</b>	<b>Cooling Agent</b>	<b>0.6</b>	<b>Corum Via ProTec Ingredia</b>
16	Euxyl® PE 9010	Phenoxyethanol, Ethylhexylglycerin	Preservative	1.1	Schuke UK

ProTec Ingredia Ltd.

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## Method of Manufacture

### Into the main vessel add:

Purified Water	Start the mixer on a fast speed.
SeaQuest IDS-35	Mix until dispersed.
<b>OAT COM USP</b>	Mix until dissolved.
<b>WorléeAloe IF 200x FD</b>	Mix until dispersed.
1,3 Butylene Glycol	Mix until dispersed.
Euxyl® PE 9010	Mix until dispersed.

### Heat the main vessel to 70-73C.

### Into premix vessel add:

Floraesters® 20

Floraesters® 30

Florasun® 90

Emulpharma 165

Protachem™ SMO

Vitamin E Acetate                      Commence heating the premix vessel to 75-80C.

### When both vessels are at 70C-73C add the premix into the main vessel & homogenize for 5 minutes.

### Into the main vessel add:

Sepigel 305                      Homogenise for a further 2 minutes.                      Commence cooling to 23C.

### Into the main vessel add:

D-Panthenol 75L                      Start the mixer on a moderate speed.  
Adjust the mixer speed accordingly to ensure adequate batch turn over as the batch cools.

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

**AquaCacteen**                      Mix until homogenous

**Corum 9230**                      Mix until homogenous

### Continue to cool to 23C

### When the product is at 23C Check the product specifications

## Product Specifications

pH	5.0-6.0
Viscosity	30,000-35,000 cps LVT Spindle 4, Speed 10, 30 seconds
Colour	White
Appearance	Viscous, mobile liquid emulsion.

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