

Water in Oil Sun Care Emulsion

Loaded with Jojoba emolliency, this formulation has all the benefits associated with water in oil emulsions, but without any of the negative attributes. The product has a unique texture which is absorbed quickly into the skin, leaving it moisturised and protected.

Trade Name					INCI Name					Function					%W/W					Method of Manufacture																									
1	Water	Aqua	Solvent	54.45	2	Versene NA2	Disodium EDTA	Chelating Agent	0.05	<p>Into the main vessel add 3,4,5,7 & 8 Commencing heating to 85C.</p> <p>Once the solids have melted sufficiently start the mixer on a moderate speed.</p> <p>In a separate vessel dissolve 2 into 1 with moderate mixing and commence heating to 80C.</p> <p>When the main vessel is at 85C check that all the solids have completely dissolved and the batch is homogenous.</p> <p>Cool the main batch to 80C.</p> <p>When at 80C add 6 & 9. Mix until uniform.</p> <p>When both vessels are at 80C and homogenous, slowly add the water phase to the oil phase.</p> <p>Increase the mixer speed accordingly as the two phases come together ensuring adequate batch turn over. Mix for 10 minutes.</p> <p>After 10 minutes reduce the mixer speed to moderate and commence cooling to 23C.</p> <p>When at 23C check the product specifications</p>	3	Florasolvs PEG-10 Sunflower	PEG-10 Sunflower Glycerides	Water Soluble Emollient	10	4	Floraesters K-100 Jojoba	Hydrolyzed Jojoba Esters (&) Jojoba Esters (&) Water (Aqua)	Substantive Emollient	10	5	Florasolvs PEG-150 Hydrogenated Jojoba	Jojoba Oil PEG-150 Esters	Water Soluble Emollient	4	6	Unifilter U-41N	Butyl Methoxydibenzoylmethane (and) Ethylhexyl Methoxycinnamate (and) 3-Benzylidene Camphor	Sun Screen Complex	15	7	SYLVACLEAR™ PE400V	Polyamide-6	Film Former	3	8	PEG-40 Hydrogenated Castor Oil	PEG-40 Hydrogenated Castor Oil	Solvent	3	9	Phenoxyethanol	Phenoxyethanol	Preservative	0.5
Supplier References																																													
Supplier References:- (2)Dow Chemical (3)(4)(5)Floratech via ProTec Ingredia (6) Induchem via ProTec Ingredia (7) Arizona Chemical via ProTec Ingredia (8)(9) Various sources																																													



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