

RINGING SKIN CARE GEL

This micro-emulsion is suitable for use in skincare applications due to the very low levels of emulsifier. The unique blend of naturally derived emollients leaves the skin feeling soft smooth & moisturised. The clarity of the gel & ringing sensation really adds to its appeal!

Trade Name	INCI Name	Function	%W/W
1 Water	Aqua	Solvent	54.5
2 Florasolvs PEG-10 Sunflower	PEG-10 Sunflower Glycerides	Water Soluble Emollient	10
3 Floraesters K-100 Jojoba	Hydrolyzed Jojoba Esters (& Jojoba Esters (& Water (Aqua)	Substantive Emollient	10
4 Florasolvs PEG-150 Hydrogenated Jojoba	Jojoba Oil PEG-150 Esters	Water Soluble Emollient	4
5 Floramac 10	Ethyl Macadamiate	Dry Emollient	15
6 SYLVACLEAR™ C75V	Polyamide-8	Film Former	3
7 PEG-40 Hydrogenated Castor Oil	PEG-40 Hydrogenated Castor Oil	Solvent	3
8 Phenoxyethanol	Phenoxyethanol	Preservative	0.5

Supplier References

Supplier References:- (2)(3)(4)(5) Floratech via ProTec Ingredia(6) Arizona Chemical via ProTec Ingredia (7)(8) Various sources

Method of Manufacture

Into the main vessel add:-
(2)(3)(4)(5)(6)&(7).
Commencing heating to 85C.

Once the solids have melted sufficiently start the mixer on a moderate speed.

In a separate vessel commence heating (1)to 80C.

When the main vessel is at 85C check that all the solids have completely dissolved and the batch is homogenous.

Cool the main batch to 80C.

When the main vessel is at 80C add (9) Mix until uniform.

When both vessels are at 80C and homogenous slowly add the water phase to the oil phase.

Increase the mixer speed accordingly as the two phases come together ensuring adequate batch turn over.

Stir for 2 minutes.

After 2 minutes stop stirring and allow the batch slowly to 23C.

Cover the Surface of the batch to stop the top cooling more quickly than the rest of the batch.

When at 23C Check the product specifications.

Product Specifications

pH	N/A (Water in Oil)
Viscosity	400-500,00cps LVT TBAR F Speed 0.3, 1 minute
Colour	Colourless
Apperance	Clear Gel



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