

Micro-Lite Intensive Spray

Phase	Ingredient	INCI designation	%w/w	Supplier
A	Sucragel CF	Glycerin, Caprylic/Capric Triglycerides, Aqua, Sucrose Laurate	5.25	Alchemy
B	Petroleum Gel	Petrolatum	14.00	-
B	Lanolin Wax	Lanolin Wax	1.50	NK Chemicals
B	Light Liquid Paraffin	Paraffinum Liquidum	14.00	NK Chemicals
C	Water	Aqua	63.65	-
C	Sucrathix VX	Microcrystalline Cellulose, Cellulose Gum, Xanthan Gum	1.00	Alchemy
D	Euxyl PE9010	Phenoxyethanol, Ethylhexylglycerin	0.60	Schülke & Mayr

DESCRIPTION:

White thin emulsion.

MANUFACTURING PROCESS:

Heat Phase A to 70°C

Heat Phase B in another beaker to 70°C.

Start the propeller in the Sucragel CF at quite a fast speed and then add the Phase B slowly into the mixture.

Increase the stirring speed and height of the propeller stirrer as the viscosity of the gel increases (it should increase as the oil is added).

Heat the water to 70°C

Disperse the Sucrathix into the water phase using a homogeniser.

Slowly add Phase C into the oily gel under constant stirring. Finally homogenise for 5 minutes until the emulsion is homogenous.

When cooled add Phase D.

STABILITY TESTS:

On Stability at 45°C

N.B Sucragel CF can be replaced with any Sucragel AP V2 in this formulation.

The preservative system in this formulation has not been challenge tested. Other systems can be used.