

Butter Mist

Phase	Ingredient	INCI designation	%w/w	Supplier
A	Sucragel CF	Glycerin, Caprylic/Capric Triglycerides, Aqua, Sucrose Laurate	8.00	Alchemy
B	Shea Butter	Butyrospermum Parkii	15	-
B	Labrafac CC	Caprylic/Capric Triglyceride	7.40	Gattefossé
C	Water	Aqua	65.40	-
C	Sucrathix VX	Microcrystalline Cellulose, Cellulose Gum, Xanthan Gum	0.60	Alchemy
D	Dermasoft 1388 ECO	Glycerin, Aqua, Sodium Levulinate, Sodium Anisate	3.50	Dr. Straetmans
D	Dermofeel PA-3	Sodium Phytate, Aqua	0.10	Dr. Straetmans
D	Citric Acid (10% solution)	Citric Acid	enough to create pH 4.5-5.5	-

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:

Stable for at least 1 month at 45°C

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

Using more than 20% Shea Butter may result in the formulation becoming solid.

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