



A versatile emulsion base which can accept almost any active ingredient and fit a diverse range of componentry. This base formula contains Plantsil, a silicone alternative for a dry powdery afterfeel and an optional active of Marine Cellshield AP has been added, an antipollution active proven to reduce dark spots.

**BARENTZ**  
PERSONAL CARE

Natural Liquid Lotion Base

Natural Liquid Lotion Base					Code #F000054V03
Supplier	Description	INCI	w/w %	Phase	Product Information
Local	Water	Aqua	75,4	A	
Natura-tec	Organic Glycerin	Glycerin	3,0	AP	Organic Humectant.
RFI	Xanthan 80 Mesh	Xanthan Gum	0,1	AP	Natural gelling agent providing stability.
Natua-tec	Sunflower Oil	Helianthus Annuus Seed Oil	10,0	B	Emolient, oil phase carrier.
Natura-tec	Plantsil	Hydrogenated Ethylhexyl Olivatate (and) Hydrogenated Olive Oil Unsaponifiables	3,0	B	Natural silicone alternative leaving powdery skin feel. COSMOS approved.
Natura-tec	Emulactive W	Cetearyl alcohol (and) Glyceryl stearate (and) Potassium Palmitoyl Hydrolyzed Wheat Protein	5,0	B	Natural emulsifier which doesn't add viscosity. COSMOS approved.
Ajinomoto	Amisoft HS-11	Sodium Stearoyl Glutamate	0,5	C	A mild anionic surfactant aiding emulsification/ stability.
Ashland	Rokonsal BS	Sodium Benzoate (and) Potassium Sorbate	1,0	D	Nature identical presevative suitable for use below pH 5.4.
Natura-tec	Marine Cellshield AP	Caprylic/ Capric Triglycerides (and) Pavlova Lutheri Extract	2,0	D	Anti-pollution active. Rich in EPA, DHA it provides targeted action on mitochondrial stress by increasing the metabolism of cells to improve skin tone and dark spots.

## Method

- 1 Premix Xanthan with Glycerin to hydrate then mix in to warm water (50°C) until uniform.
- 2 Heat phase B to 50°C until molten then homogenise into phase A.
- 3 During cooling, homogenise in phase C.
- 4 Add phase D below 45°C and homogenise until incorporated. Adjust pH with Citric acid.

**Appearance** White emulsion with low viscosity.

**Viscosity** 1000 - 1500 cps (T-C Bar speed 10)

**Odour** Odourless

**pH** 5.0-5.4

**Stability Results** Passed 5 Freeze thaw cycles. Pending full stability.

## Directions for use

Add direct to skin and rub in until absorbed leaving powdery feel. Alternatively add a few drops to your daily moisturiser to meet the still popular personalisation trend.

## For people with skin or hair type

Suitable for face and body for all skin types.

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