

Body Cream with ESSACHEM™ O

A light, luxurious body cream which spreads easily onto the skin. **ESSACHEM™ O** replaces C12-15 Alkyl Benzoate to further enhance the light, non-greasy, fast absorbing texture, whilst increasing the natural aspect of the formulation.

	Trade Name	INCI Name	Function	%W/W	Supplier
1	Water (1)	Aqua	Solvent	50.27	
2	Versene® NA2 Crystals	Disodium EDTA	Chelating Agent	0.05	Dow Chemical
3	Organic Glycerine	Glycerin	Humectant	2	ProTec Botanica
4	Novaxan 80T	Xanthan Gum	Rheology Modifier	0.1	ADM Via ProTec Ingredia
5	Water (2)	Aqua	Solvent	30	
6	Ultrez 20	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Rheology Modifier	0.1	Surfachem
7	EMULPHARMA® 165	GLYCERYL STEARATE, PEG-100 STEARATE	Emulsifier	2	RES PHARMA® Srl Via ProTec Ingredia
8	Polawax GP200	Cetearyl Alcohol & Ceteareth-20	Emulsifier	1	CRODA
9	CETIOL® SN	Cetearyl Isononanoate	Emollient	4.5	BASF
10	CETIOL® 868	Ethylhexyl Stearate	Emollient	3	BASF
11	ESSACHEM™ O	Octyldodecyl Olivatate	Light, fast absorbing ester	4.5	ESSACHEM™ Via ProTec Ingredia
12	LANETTE® S3	Cetearyl Alcohol	Co-Emulsifier	1.5	BASF
13	Sodium Hydroxide (36% Solution)	Sodium Hydroxide	Neutraliser	0.08	
14	Neolone™ PE	Phenoxyethanol, Methylisothiazolinone	Preservative	0.6	Dow Chemical
15	Perf Comp 226362 Fir	Parfum	Fragrance	0.3	Symrise

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Method of Manufacture

Into the main vessel add:

Purified Water (1)	Start the mixer on a fast speed
Disodium EDTA	Mix until dispersed
Xanthan Gum	Sprinkle Xanthan' Gum into the Vortex of the mixer, mix until dissolved
Glycerin	Mix until dissolved

Into premix vessel(1) add:

Purified Water (2)	
C10-30 alkyl acrylate crosspolymer	Slowly sprinkle over the surface and leave to 'wet out'

Add the premix vessel(1) into the main vessel

Mix until homogenous

Heat the main vessel to 75C-80C

Into premix vessel(2) add

EMULPHARMA® 165

Polawax GP200

CETIOL® SN

CETIOL® 868

ESSACHEM™ O

Cetearyl Alcohol Commence heating the premix vessel to 75-80C

When both vessels are at 75C-80C add the premix vessel into the main vessel and homogenize for 5 minutes

Into the main vessel add:

Potassium Hydroxide	Homogenise for a further minute
	Start the mixer on a moderate\slow speed
	Commence cooling the main vessel to 23C

When the bulk is 40C or below add

Neolone™ PE	Mix until dispersed
Parfum	Mix until dispersed
	Continue to cool to 23C

When the product is at 23C Check the product specifications

Product Specifications

pH	5.30 - 6.30
Viscosity	20,000-25,000 cps LVT Spindle 4, Speed 10, 30 seconds
Colour	White
Appearance	Viscous, mobile liquid emulsion.