

**ProTec Body Cream with ESSACHEM™ BW**

**ESSACHEM™ BW** gives an enhanced structure to this luxurious formulation. It has excellent spreadability and emolliency, whilst providing a silky, silicone like non-greasy after feel.

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

ProTec Ingredia Ltd  
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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**

**ESSACHEM™ BW**

LANETTE® S3 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	30,000-35,000 cps LVT Spindle 4, Speed 10, 30 seconds
Colour	White
Appearance	Viscous, mobile liquid emulsion.

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