

**VEGETABLE EMULSIFIER (OIL IN WATER) BODY BUTTER**

This luxurious, indulgent Body Butter melts into the skin leaving it feeling smooth and revitalised.  
With EFP biotek **Vegetable Emulsifier (Oil in Water)**

	Trade Name	INCI Name	Function	%W/W	Supplier
1	Purified Water (1)	Aqua	Solvent	39.13	
2	Versene® NA2 Crystals	Disodium EDTA	Chelating Agent	0.05	Dow Chemical
3	Organic Glycerine	Glycerin	Humectant	0.5	ProTec Botanica
4	Novaxan 80T	Xanthan Gum	Rheology Modifier	0.1	ADM Via ProTec
5	Purified Water (2)	Aqua	Solvent	30	
6	Ultrez 20	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Rheology Modifier	0.1	Surfachem
7	Euxyl PE9010	Phenoxyethanol and Ethylhexylglycerin	Preservative	1.1	Schulke UK
8	Cetyl Alcohol	Cetyl Alcohol	Co-emulsifier	2	BASF
9	Sweet Almond Oil	Prunus Amygdalus (Sweet Almond) Oil	Emollient	5	ProTec Botanica
10	Lanolin Alcohol AG	Lanolin Alcohol	Emollient	2	NK Ingredients P.T.E
11	Shea Butter	Butyrospermum Parkii (Shea Butter)	Emollient	5	
12	<b>Vegetable Emulsifier (oil in water)</b>	<b>Sucrose polystearate, cetearyl alcohol, olea europaea (olive) oil unsaponifiables</b>	<b>Emulsifier</b>	<b>5</b>	<b>EFP Biotek Via ProTec Ingredia</b>
13	SABODERM AB	C12-15 Alkyl Benzoate	Emollient	10	Kemcare
14	Potassium Hydroxide	Potassium Hydroxide	pH Adjuster	0.02	

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The information provided, to the best of our knowledge is believed to be correct however we do not guarantee its accuracy. Potential purchasers shall not only rely on information stated herein when purchasing any products and should make their own investigations to determine if such products are suitable for a particular use. It is your responsibility to thoroughly test any formulations and all warranties, indemnities or liabilities implied or expressed by law are hereby excluded by ProTec Ingredia Ltd to the fullest extent permitted by law.

## 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)	
Ultraz 20	Slowly sprinkle over the surface and leave to 'wet out'

### Once the Ultraz 20 has 'wet out' Add the premix vessel(1) into the main vessel.

### Into the main vessel add:

Euxyl PE9010	Mix until dispersed.
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### Heat the main vessel to 75C-80C.

### Into premix vessel(2) add:

Sweet Almond Oil  
Lanolin Alcohol AG  
Shea Butter  
Cetyl Alcohol

### Vegetable Emulsifier (oil in water)

SABODERM AB	Commence heating the premix vessel to 75-80C
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### 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.
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### Commence Cooling the main vessel to 35C

### Remove a small sample and cool to 23C. Check the pH is within specification.

### When at 35C and within specifications pack into suitable packaging.

## Product Specifications

pH	6.00-6.50
Viscosity	20,000-30,000 cps RVT TBAR D Speed 5.0, 1 minute (after 24 hours)
Colour	White
Appearance	Semi-solid shiny cream