

TC Intensive Care Body Butter

Trade Name	INCI Name	Function	Wt%
1 Deionised Water	Aqua	Diluent	Q.S.
2 Disodium EDTA	Disodium EDTA	Chelating Agent	0.05
3 Glycerine	Glycerin	Humectant	0.5
4 Xanthan Gum	Xanthan Gum	Rheology Modifier	0.10
5 Acrypol ET2020	Acrylates/C10-C30 Alkyl Acrylate Cross Polymer	Rheology Modifier	0.1
6 Simulsol 165	Glyceryl Stearate & PEG 100 Stearate	Rheology Modifier	5.0
7 ESSACHEM™ O (Paradigm Science/TC USA)	Octyldodecyl Olivat	Light, fast absorbing ester	5.0
8 ESSACHEM™ BW (Paradigm Science/TC USA)	Behenyl Olivat	Natural based Oil gelling, film Former	2.0
9 Zenibee Cream™(Paradigm Science/TC USA)	Octyl Dodecanol, Beeswax.	Emollient	10.0
10 Benzoate C12C15	C12-15 Alkyl Benzoate	Emollient	10.0
11 Phenoxyethanol	Phenoxyethanol	Preservative	0.7
12 Parfum	Parfum	Fragrance	Q.S.
13 JeeSilc™ 110	Cyclomethicone	Skin Feel	5.0
14 Cetyl Alcohol	Cetyl Alcohol	Emulsifier	2.0
15 Potassium Hydroxide	Potassium Hydroxide	PH adjuster	0.02
16 Seppic Aquaxyl™	Xylitylglucoside & anhydroxylitol & Xylitol	Moisturizing & conditioning agent	2.0
Total			100.00

Procedure:

PHASE 1: Into the main vessel add 1. Set the mixer on a high speed and add 2, mix until dissolved & no lumps remain. Add in material 4 and mix until homogeneous. Add in 3 and continue to mix. Stop mixer and sprinkle material 5. Leave for 30 minutes until fully "wetted out". Switch stirrer to low / moderate speed and commence heating to 80C.

PHASE 2: In a separate vessel add materials 6, 7, 8, 9, 10, 11, 14. Commence heating to 80C

PHASE 3: When both vessel are at 80C add phase 2 to the main batch and homogenize for 10 minutes. Adjust PH with material 15 and homogenize for a further 5 minutes. Turn off the homogenizer and commence cooling with moderate mixing. When at 60C add 13, mix until uniform. When at 50C add 12 and 16, mix until uniform. Continue to cool .

Adjust PH accordingly with Citric Acid 50% w/w solution or Sodium Hydroxide 25% w/w.

Parameters: VISCOSITY: @ RT RECORD

PH: 5-7

COLOR: Opaque

Formula courtesy of



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