

Sulfate Free Moisturizing Body Wash—MBW V10

Trade Name	INCI Name	Function	Wt%
1. Deionised Water	Aqua	Diluent	Q.S.
2. Methocel® HPMC	Hydroxy Propyl Methyl Cellulose	Rheology modifier	0.7
3. TI GrnSurf™ CI (Paradigm Science/TC USA)	Aqua, Sodium cocoyl Isethionate, Cetyl Beta-ine , lauryl betaine blend	Surfactant System	27.5
4. TegoSoft® PC	Polyglyceryl –3 caprate	Super fatting agent	0.3
5. TI NAtSurf™ BW (Paradigm Science/TC USA)	Aqua, Decyl glucoside, sodium myristoyl sar-cosinate, cocoamidopropyl hydroxysul-taine, sodium cocoyl	Surfactant System	32.5
6. Glycerin	Glycerin	Humectant	3.0
7. Zenicone® IX (Paradigm Science/TC USA)	PEG-8 Dimethicone, PEG-8 Ricinoleate	Film former & foam enhancer	1.0
8. ESSACHEM® O (Paradigm Science/TC USA)	Octododecyl Olivatate	Feel modifier	1.0
9. ESSACHEM® SOW (Paradigm Science/TC USA)	Stearyl Olivatate	Feel modifier	1.2
10. Olive oil	Olea Europaea fruit oil	Moisturising	5.0
11. Myristic Acid	Myristic acid	Emulsifier	3.5
12. Lactic Acid	Lactic Acid	pH adjustor	0.5
13. Fragrance	Aroma	Fragrance	1.0
Total			100.00

Procedure:

PHASE 1: Charge a suitable vessel with water. Slowly add in material # 2 while mixing. Heat to 63°C.

PHASE 2: Charge main vessel with materials 3,4,5,6 and 7. Mix until homogenous. Heat to 63°C.

PHASE 3: In a 3rd vessel add in materials 8, 9 10, 11 . Add heat until waxes are melted.


PHASE 4: Add phase 1 to phase 2. Mix until homogenous at 63C. Add phase 3 into main vessel. Increase mixing speed until completely homogenized. Remove from heat. Add in 12 and 13 and continue to mix while cooling.

Product Specifications:

PH: 5.0 -6.0

Viscosity: 5000 cPs - 9000cPs

Color: White, creamy

Formula courtesy of 

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