

## Guide Formulation

### Personal Care

# Silky Body Wash (BW-4)

This luxurious mild body wash contains SeraSoft® SW 75 to boost foam creaminess. Both SeraSoft® SW 75 and SeraSoft® SW 70-A melt at body temperature and so give a smooth, soft feel to skin. The elastomer emulsion SeraSilk® EM 602 allows easy processing and leaves skin feeling powdery soft.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Aqua (Water)	To 100	-	Vehicle
Glycerin	3.00	Surfac G995V/Surfachem	Humectant
Cocamidopropyl Betaine	15.00	Surfac B4/Surfachem	Amphoteric Surfactant
Sodium Lauryl Sulfoacetate (and) Disodium Laureth Sulfosuccinate	7.00	Stepan Mild LSB/Surfachem (Stepan)	Anionic Surfactant
Sodium Cocoyl Sarcosinate	30.00	Crodasinic CS30/Croda	Anionic Surfactant
Glyceryl Caprylate/Caprata	3.00	Stepan Mild GCC/Surfachem (Stepan)	Nonionic Surfactant
Acrylates Copolymer	8.00	Carbopol Aqua SF-1/Surfachem (Lubrizon)	Thickener/Suspending Agent
Sodium Hydroxide	1.00	Sodium Hydroxide Liquor 32%/Univar	pH Adjuster
Stearyl Dimethicone (and) Octadecene	3.00	SeraSoft® SW 70-A/KCC Beauty	Skin Feel
Bis-PEG-18 Methyl Ether Dimethyl Silane	3.00	SeraSoft® SW 75/KCC Beauty	Foam Densifier/Skin Feel
Phenoxyethanol (and) Ethylhexylglycerin	1.00	Euxyl PE 9010/Schülke	Preservative
Dimethicone/Vinyl Dimethicone Crosspolymer (and) C12-14 sec-Pareth-7	3.00	SeraSilk® EM 602/KCC Beauty	Skin Feel
Aqua (Water)	4.00	-	Vehicle
Styrene Acrylates Copolymer (and) Aqua (and) Sodium Lauryl Sulfate	1.00	Lytron 180 AV/Azelis (Omnova)	Opacifier
Aqua (and) Avena Sativa (and) Glyceryl Stearate (and) PEG-60 Hydrogenated Castor Oil (and) Phenoxyethanol (and) Methylparaben (and) Propylparaben (and) Butylparaben (and) Ethylparaben (and) Isobutylparaben	0.50	Oat Milk/Azelis (Provital)	Skin Moisturising Extract
Parfum (Fragrance)	1.00	Vitamin 131 Fragrance/Givaudan	Fragrance
Citric Acid	0.33	Surfac Citric Acid Mono BP/Surfachem	pH Adjuster

## Typical Properties

Appearance:	Opaque white, viscous liquid
Viscosity @ 25°C:	5000 - 7000cP (Brookfield RVT, Sp3, 10rpm)
pH @ 25°C:	5.5 - 6.5

### Method

Add the water to the vessel and begin stirring.

Add the ingredients in order, stirring until homogenous. When the Carbopol has been added, adjust the pH to between 6.5 and 7.5.

Melt the waxes gently (30 - 35°C is sufficient) and add to the batch.

Premix the water and Lytron and add to the batch.

Add the rest of the ingredients in order, stirring well between each addition.

Check the pH and viscosity and adjust accordingly.



Scan me to find out more about KCC Beauty online!

Please note that the above formulation is only intended as a guide. It is not a commercial formulation and has not been tested as such. The formulation should be evaluated and modified for your own requirements before use. Also suggestions of uses should not be taken as inducements to infringe any particular patent.

Basildon Chemical Co. Ltd, Kimber Road, Abingdon, Oxfordshire, OX14 1RZ, UK

KCC Corporation, 1301-4, Seocho-Dong, Seocho-Gu, 137-703, Seoul, Korea

☎ +44 (0)1235 526677 | ✉ [info@kcc-beauty.com](mailto:info@kcc-beauty.com) | 🌐 [www.kcc-beauty.com](http://www.kcc-beauty.com)