

Guide Formulation

Personal Care

Luxury Hand Wash (HW-1)

SeraSilk® EM 602 is an emulsion of silicone elastomer powder, allowing easy incorporation into water-based formulations. This Luxury Hand Wash is sulfate-free but with a creamy, dense foam and a premium skin feel, thanks to the addition of **SeraSilk® EM 602**.

Raw Material/INCI Name	% w/w	Trade name/Supplier	Function
Aqua (Water)	To 100	-	Vehicle
Xanthan Gum	0.30	XGF FEDCS-PC/Surfachem (CP Kelco)	Thickening/Suspending
Glycerin	3.00	Surfac G995V/Surfachem	Humectant
Glucono Delta Lactone (and) Sodium Benzoate (and) Calcium Gluconate	1.00	Saliguard Ultima/Surfachem (Salicylates and Chemicals)	Preservative
Sodium Lauroyl Methyl Isethionate (and) Aqua	18.75	Iselux LQ/Innospec	Anionic Surfactant
Cocamidopropyl Betaine (and) Aqua	8.33	Surfac B4/Surfachem	Amphoteric Surfactant
Sodium Methyl Cocoyl Taurate	9.00	Pureact WS Conc/Innospec	Anionic Surfactant
Dimethicone/Vinyl Dimethicone Crosspolymer (and) C12-14 sec-Pareth-7	3.45	SeraSilk® EM 602/KCC Beauty	Skin Conditioning
Glycol Distearate (and) Laureth-4 (and) Cocamidopropyl Betaine	3.00	Tego Pearl N300/Surfachem (Evonik)	Pearliser
Hydrolysed Amaranth Protein (and) Salix Nigra Bark Extract (and) Benzyl Alcohol (and) Aqua	1.00	Amaranth Pro ECT/Adina (Lonza)	Moisturising
Parfum (Fragrance)	0.50	Delicate Blossom/Expressions Parfumées	Fragrance
Citric Acid	0.30	Surfac Citric Acid Mono BP/Surfachem	pH Adjuster
Sodium Chloride	2.00	Sodium Chloride PVD/British Salt	Thickener

Typical Properties

Appearance:	White, pearlised liquid
Viscosity @ 25°C:	3,000 - 5,000cPs (Brookfield RVT, Sp3, 10rpm)
pH @ 25°C:	5.5 - 6.5

Method

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Add the water to the vessel.

Premix the Xanthan Gum with the glycerin and add to the batch. Stir until fully dispersed.

Add the Saliguard, Iselux and Surfac B4.

Add the Pureact, gentle heating may be required to fully disperse.

Add the rest of the ingredients in order, stirring until homogenous between additions.

Check pH and viscosity.



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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.

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