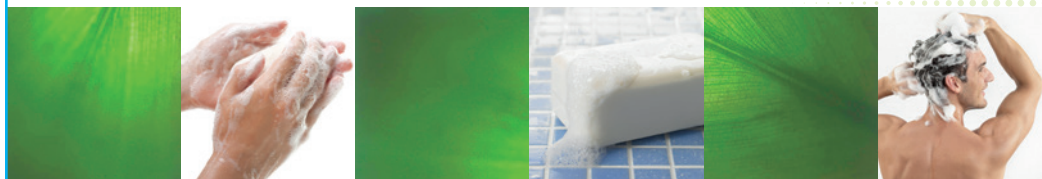


Base for Transparent, Sulfate/Betaine-Free Shower Gel for sensitive skin

This clear formulation will satisfy the formulator looking for sulfate-free & betaine-free final product. Easy to produce in a pot with no powder thickener, the choice of the surfactants was carefully made to obtain an abundant and luxurious foam thanks to BergaSoft SCI 80, BergaSoft DG 50 and BergaSoft LG 50. The last three ingredients together with BergaCare EM-HE-7 are responsible for mildness and for refatting the skin.



Phase	Product	INCI Name	% (w/w)
A	Demin. Water	Aqua	Up to 100
	Carbopol Aqua SF-1 ²	Acrylates Copolymer	5.0
	NaOH (25%)	Sodium Hydroxide	1.5
	BergaSoft SCI 80¹	Sodium Cocoyl Isethionate	2.0
	BergaSoft LG 50¹	Lauryl Glucoside	3.0
	BergaSoft DG 50¹	Decyl Glucoside	6.0
	BergaSoft EM-HE-7¹	PEG 7 Glyceryl Cocoate	3.0
	Cocamide MEA	Cocamide MEA	1.0
	Glycerin	Glycerin	1.0
B	SLSA	Sodium Lauryl Sulfoacetate	1.0
	Citric Acid	Citric Acid	pH-Adjustment
	Preservative / Fragrance	-	q.s.

Suppliers: 1: Berg + Schmidt, 2: Lubrizol

Formulation instructions:

- Weigh Carbopol Aqua SF-1 and water together, neutralize with NaOH up to a pH of around 7
- Add the surfactants and heat Phase A to 70-75°C while gently stirring
- Adjust the pH by addition of citric acid
- After cooling down to room T°C, add preservative and fragrance as wished

pH = 6.8

Viscosity (24H) = 2800 Cps

Stability under progress / Internal Ref: SCI80-BSF-023-BSC

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