



Body Wash with SiBrid® DE-12 & SiQube® Q1850

Add SiBrid® DE-12 DiEthicone to cleansers to produce a silky and hydrated afterfeel in products that strip the skin of natural oils. In bodywashes, SiQube® Q1850 acts as a conditioning agent that leaves a smooth feel on skin without the need to incorporate a large oil phase into the formula.

INCI Name	Ingredient	Supplier	Wt%
PHASE A			
Water	Deionized Water		q.s.
Acrylates Copolymer	Carbopol® Water SF1	Lubrizol	8.50
Sodium Lauryl Sulfate	Stepanol® WA-EXTRA	Stepan	30.00
Sodium Hydroxide			q.s.
Cocamidopropyl Betaine	Mirataine® BET C30	Solvay	10.00
PHASE B			
Glycerin			2.50
Polysilsesquioxane Steardimonium Chloride	SiQube® Q1850	Gelest	0.25
PHASE C			
Helianthus annuus (Sunflower) Seed Oil	Sunflower Oil		2.00
Polydiethylsiloxane	SiBrid® DE-12	Gelest	1.00
PHASE D			
Fragrance		Schülke	q.s.
Preservative			q.s.
Citric Acid			q.s.
Sodium Chloride			q.s.
TOTAL			100

PROCEDURE:

- Mix water and copolymer under propeller blade until dispersed.
- Add SLS and mix slowly until dispersed.
- Adjust pH to 6.5-6.8 to thicken.
- Add cocamidopropyl betaine and mix slowly.
- Predisperse Phase B using shear. Add to Phase A and continue mixing.
- Add Phase C to Phase AB and mix well.
- In order, add Phase D ingredients and adjust pH to 5.5, if needed.
- Add sodium chloride to thicken batch and mix well.

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Formula LF1-019