

Salicylic Acid Facial Scrub

CL-F0001

	INCI Name, Trade Name	Weight %	Function
A.	1. Deionized Water	20.00	Diluent
	2. Acrylates Copolymer (30%), Carbopol®* Aqua SF-1 Polymer	5.00	Rheology Modifier
	3. Sodium C14-16 Olefin Sulfonate (40%), Bio-Terge® AS-40	20.00	Surfactant
	4. Sodium Hydroxide (18%)	1.00**	Neutralizer
B.	5. Deionized Water	24.20	Diluent
	6. Sodium C14-16 Olefin Sulfonate (40%), Bio-Terge® AS-40	10.00	Surfactant
	7. PEG/PPG-8/3 Diisostearate, Hydramol™* PGPD Ester	2.00	Conditioner
	8. Glycerin	1.00	Humectant / Solubilizer
	9. Salicylic Acid - 100% (USP)	2.00	Anti Acne Agent
C.	10. Cocamidopropyl Betaine (35%), Chembetaine™* C Surfactant	10.00	Surfactant
	11. Potassium C12-13 Alkyl Phosphate (40%), Arlatone® MAP 230 K-40	2.00	Surfactant
	12. FD&C Red No. 33 (0.1%)	0.10	Dye
	13. FD&C Yellow No. 6 (0.1%)	0.20	Dye
	14. Citric Acid (50%)	0.50***	Acidifier
	15. Jojoba Esters, Florabeads® 28/60, "Tequilla Sunrise"	1.00	Exfoliator
	16. Jojoba Esters, Florabeads® 40/60, "White"	1.00	Exfoliator

** q.s. to pH 6.8

*** q.s. to pH 3.9

Procedure:

- PART A:** Add **Carbopol®* Aqua SF-1 Polymer** to deionized water.
- Add the ingredient #3 with gentle mixing. Mix until uniform.
- Neutralize with sodium hydroxide (18%) to pH 6.8. Mix until uniform.
- PART B:** In a side vessel, combine **PART B** ingredients in order. *SLOWLY* add **PART B** to **PART A** with mixing. (Note: Adding **PART B** too quickly may result in polymer precipitation.) Mix until uniform.
- PART C:** Add ingredients to batch in order. Mix until uniform.
- Adjust pH with citric acid to 3.8 - 4.0. Mix until uniform.

Product Properties:

Appearance Translucent, viscous liquid with suspended beads

pH 3.8 - 4.0

Viscosity (mPa s)**** 7,000 - 12,000

Yield Value (dyn/cm²) 100 - 200

Turbidity (NTU)***** 70 - 100

Stability: Passed 3 months @ 45°C, 5 cycles freeze/thaw

Carbopol®* Aqua SF-1 Polymer Actives (%) 1.5

Surfactant Actives (%) 17.0

**** Brookfield RVT @ 20 rpm, 25°C, #4 spindle, measured after 24 hours

***** HF Scientific, Inc. Micro 100 Turbidimeter

Supplier References:

Noveon, Inc. (2, 7, 10)

Stepan (3, 6)

Universal Preserv-A-Chem (9)

Uniqema (11)

Quantum Colours (12, 13)

Floratech (15, 16)

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