

FACIAL WASH <Paste> GSW-44

A moisturizing gentle facial wash containing **AMISOFT ECS-22W** as a primary surfactant
Can easily and economically be prepared without vacuum system while keeping a good foamability

	(wt%)	
A AMISOFT ECS-22W (30%)	22.2	Cleansing surfactant
LAURAMIDOPROPYL HYDROXYSULTAINE (30%)*1	9.2	Co-surfactant, viscosity modifier
SODIUM COCOAMPHOACETATE (30%)*2	8.9	Co-surfactant, viscosity modifier
PRESERVATIVE	q.s.	
B ACRYLATES COPOLYMER (30%)*3	3.3	Viscosity modifier
WATER	Balance	
C GLYCERIN*4	10.0	Humectant, viscosity modifier
SORBITOL*5	10.0	Humectant, viscosity modifier
D PEG-14M*6 (5%aq)	10.0	Foam improver, viscosity modifier
E HYDROXYPROPYL STARCH PHOSPHATE*7	4.0	Viscosity modifier
F PETROLATUM*8	10.0	Emollient
G CITRIC ACID (20% aq)	8.0	pH adjuster
	100.0	

- 1 Mix part A.
- 2 Part C is added into the mixed part B.
- 3 Add the mixed one (B and C) into mixed part A.
- 4 Add part D, and continue to stir.
- 5 Slowly add part E, and continue to stir gently not to make bubble.
- 6 Add part F at room temperature. After mixing to some extent, stir the mixture at 80°C.
- 7 Add part G into the mixed part, and continue to stir at 80°C.
- 8 Cool down to room temperature with stirring, resulting in the final formulation.

* 1	SOFTAZOLINE LSB	Kawaken Fine Chemicals
* 2	SOFTAZOLINE CH	Kawaken Fine Chemicals
* 3	Carbopol Aqua SF-1	Lubrizol
* 4	GLYCERIN	Kao
* 5	SORBITOL	Kao
* 6	POLYOX WSR N-3000	Dow Chemical
* 7	STRUCTURE XL	AkzoNobel
* 8	SUNWHITE P-200	NIKKO RICA

pH 5.1

Viscosity 150,000~172,000 mPa·s (B type, rotor No.4, 3rpm, 120sec., 25°C)

Stability -5°C, 0°C, 25°C, 40°C, 1 Months

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