

LIQUID SOAP NMF GUARD ABR-SC-007-19

The liquid soap was specifically developed to promote an effective cleanse without stripping out moisture from the skin.

Developed with **AMISOFT® ECS-22W**, a natural anionic surfactant, that in combination with **AJIDEW® NL-50**, a biomimetic moisturizer, reduces the adsorption of sulphate derived surfactants and also replenishes the lost of PCA, a key compound for skin hydration maintenance, removed with the daily wash.

	Trade name	INCI Name	wt %	Function
A	Deionized water	Aqua	q.s.p. 100.00%	Vehicle
	Versene™ Na2 Crystal *1	Disodium EDTA	0.10	Chelator
	Butylene Glycol *2	Butylene Glycol	8.00	Humectant
B	Carbopol® Ultrez 20 Polymer *3	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	1.40	Thickener
C	Laurion® N *4	Sodium Laureth Sulfate (27%)	18.00	Anionic Surfactant
	AMISOFT® ECS-22W	Disodium Cocoyl Glutamate (and) Aqua (30%)	6.00	Mild Anionic Surfactant
	Betaion® CAPB *4	Cocamidopropyl Betaine (35%)	4.00	Amphoteric Surfactant
D	Sodium Hydroxide *5	Aqua (and) Sodium Hydroxide (20%)	3.50	pH Adjuster
E	AJIDEW® NL-50	Sodium PCA (and) Aqua (50%)	1.00	Moisturizing active
	Prevint MCI *6	Methylchloroisothiazolinone (and) Methylisothiazolinone	0.10	Preservative
F	Eumulgin® CO 40 *7	PEG-40 Hydrogenated Castor Oil	1.00	Solubilizer
	Fragrance Living Colors (227074) *8	Parfum	0.20	Fragrance
G	Citric Acid *5	Aqua (and) Citric Acid (40%)	2.19	pH adjuster
		Total	100.00	

*1 Dow Chemical, *2 Química Anastácio, *3 Lubrizol, *4 AQIA, *5 LabSynth, *6 Thor, *7 BASF, *8 Symrise

<PROCEDURE>

1. Homogenize Phase A components.
2. Spray Phase B into Phase A under stirring.
3. Homogenize Phase C components in a separate beaker. Incorporate a Phase C into the main phase.
4. Add a Phase D to the main phase for polymer neutralization.
5. Add one of the components of Phase E, homogenizing well after each addition
6. Homogenize Phase F well, and incorporate into main phase.
7. Adjust pH with Phase G.

<PHYSICAL PROPERTIES and STABILITY>

Appearance: Medium viscosity liquid, transparent, colorless

pH: 5.3-5.5

Stability: 5°C, 25°C and 45°C for 3 months; 50°C for 1 month

Note; The information is provided based upon our technical data and present knowledge. However, we make no warranties, expressed or implied, and assume no liabilities in connection with any use of the information with respect to specific property, safety and suitability for a specific application. It is also not guaranteed that use of the information does not fall within the scope of any intellectual property rights.