

C-221

FACE CLEANSER

OILY SKIN

GUIDELINE FORMULARY

DESCRIPTION

It is designed to eliminate sebum and impurities

Daily use product

It contains active ingredients that inhibit the development of acne

COMPOSITION

	%
EMAL® 227E ⁽¹⁾	33.3
BETADET® S-20	5.3
AMIDET® N	3.2
Glycerine	6.0
Salicylic Acid	1.0
KAO Fragrance	q.s.
Preservative	q.s.
Sodium Hydroxide	q.s.
NaCl	q.s.
Deionized Water	Up to 100

(1) 33.3% of EMAL®227E (SLES at 27% a.m.) can be substituted by 12.8% of EMAL® 270D (SLES at 70% a.m.)

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Clear colourless gel	KCSA-258
pH (as it is):	Approx. 6.3	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 7,000	KCSA-227
STABILITY TEST:	Correct	(2 months 40°C/RT/5°C/cycles)

RECOMMENDED OPERATIVE METHOD

Mix water with Salicylic Acid and Glycerine. Stir till clear.

Add EMAL® 227E, AMIDET® N and BETADET® S-20. Stir well after each addition until a homogeneous dispersion is obtained.

Add the other additives: preservative (soluble), perfume (15 minutes of agitation are usually needed to solubilize it), dye(s) (diluted in water) and other (extracts, etc.).

Adjust pH (it is recommended to use NaOH to reduce it).

COMPONENTS

AMIDET® N (PEG-4 Rapeseedamide, ≈ 95% a.m.): non-ionic character. Nitroso-amines free thickener. It increases the foam volume and improves the quality of it. It reduces the irritation potential of the anionic surfactants on the skin. Multi-functional agent.

BETADET® S-20 (Lauryl Hydroxysultaine, ≈ 38% a.m.): amphoteric character. Very mild co-surfactant. It decreases the irritation level of anionic surfactants, improving the quality of the foam and performing also as a thickener. It improves the stability of the formula at extreme pH's and low temperature.

EMAL® 227E (Sodium Laureth Sulfate, ≈ 27% a.m.): anionic character. Primary surfactant, highly foaming. Good detergent properties.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose.

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