

C-323

SKIN CARE CREAM

HIGH WATER CONTENT W/O EMULSION

GUIDELINE FORMULARY

DESCRIPTION

W/O emulsion for protecting or treating dry skin
Improved water-retaining ability of the skin
Easy to spread
Moisture and soft feeling
Water resistant

PHASE	COMPOSITION	%
A	PENETOL GE-IS	2.0
	EXCEPARL IS-CE-A	1.0
	KAOPAN® SP-O10	0.2
	Dimethicone ⁽¹⁾	6.0
	Squalane ⁽²⁾	4.0
	Isopropyl Myristate	3.0
	Caprylic/Capric Triglyceride	2.0
B	Glycerin	10.0
	Phenoxyethanol (and) Caprylyl Glycol ⁽³⁾	0.8
	Magnesium Sulfate	0.7
	Deionized Water	Up to 100
C	KAO Fragrance	q.s.

(1) XIAMETER PMX-200 Silicone Fluid 350cSt from DOW

(2) VEGETAL ESCUALANO from Escuder

(3) VERSATIL PC from Evonik Dr. Streatmans

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	White cream	KCSA-258
pH (as it is):	6.0 - 6.5	KCSA-014
VISCOSITY BROOKFIELD (20°C, cP):	Approx. 150,000	KCSA-227
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMENDED OPERATIVE METHOD

Heat part A up to 60-70°C and mix until dissolved.

Heat part B up to 60-70°C in other vessel.

Add part B to A slowly and emulsify it by homomixer 8000r/min for 5 min.

Cool down the emulsion to room temperature while stirring.

Add C to the emulsion and mix.

Adjust pH if necessary.

COMPONENTS

EXCEPARL IS-CE-A (Cholesteryl Isostearate, ≈ 100% a.m.) Light yellow paste. Biomimetic skin emollient. Excellent moisturizing performance, improves the water-retaining ability of the skin. Recover skin damage. Non-greasy texture. Suitable for creams, lotions and lipsticks. Suggested dosage: 0.15 - 5%.

KAOPAN® SP-O10 (Sorbitan Oleate, ≈ 100% a.m.): non-ionic character. PEG-free co-emulsifier. HLB ≈ 4.3.

PENETOL GE-IS (Isostearyl Glyceryl Ether, ≈ 100% a.m.): non-ionic character. PEG-free emulsifier for high water content W/O emulsion with non-greasy feeling and water resistance. HLB ≈ 2.0.

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