

D-133

FABRIC SOFTENER

17% CONCENTRATION (VEGETABLE)

GUIDELINE FORMULARY

DESCRIPTION

Domestic fabric softener
Ecological and biodegradable product
Good rewet ability
Anti-static effect, specially on synthetic fabrics
Process temperature between 40°C and 50°C

COMPOSITION

	%
TETRANYL® L6/90	19.0
Dye(s)	5.1
KAO Fragrance	1.1
CaCl ₂ · 2H ₂ O (at 15%)	1.0
Preservative	0.1
Deionized Water	Up to 100%

TECHNICAL CHARACTERISTICS

Kao Method

APPEARANCE (20°C):	Opaque viscous liquid	KCSA-258
pH (as it is):	2.5 - 3.0	KCSA-014
VISCOSITY BROOKFIELD (20°C,cP):	50 - 100	KCSA-227
SURFACTANT ACTIVE MATTER (%):	Approx. 17	KCSA-246
STABILITY TEST:	Correct	(1 months 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Heat up water to 55°C.

Agitation is required along the whole process.

Add dye(s) to the water and wait until complete homogenization.

Add TETRANYL® L6/90 and homogenize during 20' until a complete dispersion.

Add CaCl₂ · 2H₂O and stir 10' until complete homogenization.

Cool down the temperature until 30 - 35°C.

Add perfume and preservative once the 35°C temperature are reached , stir after each addition until complete homogenization.

Cool down the temperature until room temperature.

If required, final adjustment of viscosity by addition of CaCl₂ · 2H₂O.

Unload after 15' of stirring.

COMMENTS

Viscosity depends on: Process temperature; Agitation type, time and speed; Fragrance (type and quantity); Quality of water

Dye needs to be compatible with cationic surfactants. Normally blue color is used.

It is always advised to used a preservative (compatible and stable)

COMPONENTS

TETRANYL® L6/90 (Partially hydrogenated palm esterquat, ≈ 90% a.m.): cationic character. Advised to prepare concentrated and ecological fabric softeners. Vegetable origin.

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Ref.

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