

D-203

FABRIC SOFTENER

5% CONCENTRATION (NON-FLAMMABLE)

GUIDELINE FORMULARY

DESCRIPTION

Domestic fabric softener
Ecological and biodegradable product
Vegetable origin
Good rewet ability
Anti-static effect, specially on synthetic fabrics
Process temperature between 30°C and 40°C

COMPOSITION

	%
TETRANYL® L6/90	5.6
KAO Fragrance	0.3
Dye(s)	2.0
Preservative	0.05
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):	100 - 200	KCSA-227
SURFACTANT ACTIVE MATTER (%):	Approx. 5	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

RECOMMENDED OPERATIVE METHOD

Heat up water to 37°C.

Agitation is required along the whole process.

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

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

Cool down mixture until 30°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 polimer.

Unload after 15' of stirring.

COMMENTS

Viscosity depends on: Process temperature; Agitation type, time and speed; fragrance (type and quantity).

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

It is always advised to use 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.

(Edited April 2017. Updated version July 2020)



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