

D-184

# FABRIC SOFTENER

5% CONCENTRATION (NON-FLAMMABLE)

## GUIDELINE FORMULARY

### DESCRIPTION

Domestic fabric softener  
Ecological and biodegradable product  
Good rewet ability  
Anti-static effect, specially on synthetic fabrics  
Process temperature between 25°C and 30°C approx.

### COMPOSITION

	%
<b>TETRANYL® AT1-PG</b>	<b>5.9</b>
Dye(s)	1.7
<b>KAO Fragrance</b>	<b>0.3</b>
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. 5	KCSA-246
STABILITY TEST:	Correct	(1 month 40°C/RT/5°C)

## RECOMMENDED OPERATIVE METHOD

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Heat up water to 30°C.

Agitation is required along the whole process.

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

Add TETRANYL® AT1-PG (previously melted) and stir for 20'.

Add perfume and preservative, stir after each addition until complete homogenization.

Unload after 15' of stirring.

## COMMENTS

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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

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TETRANYL® AT1-PG (tallow esterquat, ≈ 85% a.m.): cationic character. Easy handling and low hazard product, liquid at 35°C .

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