



DETERGENTS
LAUNDRY



LOW-TEMP LIQUID
DETERGENT [HPCI-08]

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PHASE	INCI NAME	BRAND NAME	CONCENTRATION [%]	FUNCTION
	Sodium Laureth Sulfate/ Sodium C12-15 Pareth Sulfate/ Sodium Trideceth Sulfate/	SULFOROKAnol®L270/1	14,6	removes stains and foaming agent
	Alcohols, C8-18- ethoxylated	ROKAnol MT7E	9,0	breaks down stains
	Potassium Oleate	EXOsoft PO30	9,0	breaks down stains
	Tetrasodium Glutamate Diacetate		3,0	chelator
	Trisodium Citrate		2,5	chelator
	Enzymes		0,5	breaks down different types of stains
	Fluorescent brightener		0,1	optical brightener
	Citric acid		up to pH=7,5	pH regulator
	Aqua		up to 100,0	solvent



Viscosity [cP]

Brookfield LV, 20°C

1800 – 3000
(SULFOROKAnol L270/1)
1800 – 3000
(SULFOROKAnol L370)
300 – 500
(SULFOROKAnol IT370)

Apperance

visual method

clear liquid

pH

7.0–8.0

Procedure:

1. Mix fluorescent brightener with water until dissolved.
 2. Add Trisodium Citrate and mix until a homogeneous solution is obtained.
 3. Then add SULFOROKAnol L270/1 or SULFOROKAnol L370 or SULFOROKAnol IT370 and mix.
 4. Add ROKAnol MT7E and mix.
5. Then add EXOsoft PO30 and mix a homogeneous solution is obtained.
 6. Add Tetrasodium Glutamate Diacetate, mix.
 7. Add Citric Acid to obtained pH in the mass around 7.5.
 8. Finally, add enzymes and mix until a clear liquid is obtained.



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