



DETERGENTS
LAUNDRY



UNIVERSAL LIQUID
DETERGENT [ULD-01]

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PHASE	INCI NAME	BRAND NAME	CONCENTRATION [%]	FUNCTION
	Sodium Laureth Sulfate	SULFOROKAnol® L227/1	40.0	removes stains/foaming agent
	PEG-6 Glyceryl Cocoate, Laureth-7, Alcohol, PEG 11-Rapeseedamide, C8-18-ethoxylated	ROKAcet KO400G	10.0	breaks down different types of stains
	Potassium Oleate	EXOsoft PO30	5.0	breaks down different types of stains
	Magnesium Laureth Sulfate		5.0	removes stains/foaming agent
	Glycerin		6.0	humectant
	Tetrasodium Glutamate Diacetate		2.5	chelator
	Enzymes		0.2	breaks down different types of stains
	Fluorescent brightener		0.1	optical brightener
	Citric acid		for pH ~ 7.0	pH regulator
	Aqua		up to 100.0	solvent



Viscosity [cP]	Brookfield LV, T: 20°C	<100
Apperance	visual method	liquid
pH		7.5-8.5

Procedure:

1. Mix Fluorescent Brightener with water until dissolved.
2. Add SULFOROKAnol L227/1 and Magnesium Laureth Sulfate and mix until a homogeneous solution is obtained.
3. Then add ROKAcet KO400G/ROKAnol L7/ROKAnol MT7E/ROKAmid MRZ11 and mix.
4. Then add EXOsoft PO30 and mix a homogeneous solution is obtained.
5. Add Glycerin and mix
6. Add GLDA-Na4, mix.
7. Add Citric Acid to obtained pH in the mass around 7-8.
8. Finally, add Enzymes and mix until a clear liquid is obtained.



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