



CONTACT cosmetics-lab@oqema.com, OQEMA AG, Application Development Lab – HPC I&I, Otto-Hahn-Strasse 1-3, 50997 Köln-Germany.

Premium Universal Laundry Detergent

CATEGORY: FABRIC & LAUNDRY CARE

INGREDIENTS

Phase	Ingredient	INCI	Supplier	Weight (%)
A	Deionised Water	Aqua	-	Up to 100
	SLES 70	Sodium Laureth Sulfate	OQEMA	12,00
	Glycerin	Glycerin	OQEMA	1,50
B	Glucover 02NP	Hydrolysed Corn Starch, Sodium Gluconate, Pectin	Biopolax	8,00
	2-EHI	2-Ethyl Hexyl Imidodipropionate	OQEMA	6,00
	Slovasol 247	C12-C14 Alcohol polyethylene glycol ethers (7EO)	Sasol	8,00
	Marlowet 1072	C9-C16-C17 Alcohol Ethoxylated 7EO	Sasol	6,00
	Perfume	Parfum	OQEMA	0,30



	ReChemistry Solve 100	Ethyl Levulinate	GFBiochemicals	3,00
C	Ecoenzyme DET L 600	Multi-Enzyme	Infinita	0,60
	Dequest PB 11625D	Carboxymethylcellulose	Italmatch	3,00
	Dequest 2010	1-Hydroxy ethylidene (1,1-diphosphonic acid)	Italmatch	1,80
D	Colorant	Mica	OQEMA	q.s.
	Preventol BIT 20N	1,3-Benzisothazolinone	LANXESS	0,20
E	Optical brighteners	Optical brighteners	OQEMA	q.s.
	VI/VP Copolymer	VI/VP Copolymer	OQEMA	q.s.
F	Sodium Chloride	Sodium Chloride	OQEMA	q.s.

METHOD

1. Mix Phase A.
2. Mix Phase B and add to Phase A and mix at slow speed to avoid excessive foaming.
3. Mix Phase C and add to Phase A/B and mix at slow speed.
4. Add Phase D to Phase A/B/C.
5. Add Phase E to Phase A/B/C whilst mixing.
6. Adjust pH between 8–10 and the viscosity with Phase F.

APPEARANCE

Transparent, low liquid.

Disclaimer:

All information and recommendations provided by OQEMA are given in good faith and are provided voluntarily without any legal obligation. This applies to any information provided in the course of developing a frame formulation as well as for any other information/recommendation given throughout the formulation and production process as well as to any kind of manufacturing support. OQEMA shall not be liable with regard to the above-described information/recommendations. This does not apply to liability for intent and/or malice. It is the customer's own responsibility to examine and to ensure that the guideline formulation and/or prototype is/are suitable, stable, safe, and fit for large scale production. OQEMA shall not be liable for any information/recommendation provided, in particular with regard to the creation of the formulation as well as its suitability, stability and safety for large scale production. No kind of guarantee or warranty is given. Please note that any change of a key ingredient in the formulation might affect the quality and stability of the formulation significantly.



HIGHLIGHTS

Premium Universal Laundry Detergent combines powerful cleaning with fabric care. Featuring SLES 70 and Marlowet 1072 for effective stain removal, Glucover 02 NP and EHI for low-foam effect, and Slovasol 247 for superior cleaning performance. Ecoenzyme DET L 600 targets tough protein, starch, and fat stains, while Dequest® PB 11625D and Dequest 2010 soften water and protect fabrics. Preventol® BIT 20 N ensures product stability, and optical brighteners with VI/VP Copolymer enhance color vibrancy and provide a soft, smooth finish.

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