



Product Formulation

Liquid Laundry

PHC-PF-23-146

Experience the perfect balance of effectiveness and gentleness with our sulfate-free Liquid Laundry Detergent. Formulated to produce a luxurious foam, it cleans and conditions your clothes, ensuring a thorough and satisfying laundry experience while maintaining the integrity of your fabrics.

Phase	Ingredient	INCI	Function	%
A1	Reverse Osmosis Water	Aqua	Diluent	15.50
A2	Potassium Hydroxide	Potassium hydroxide	pH modifier	2.00
A3	Citric Acid	Citric acid	pH modifier	2.00
A4	Tetrasodium EDTA	Tetrasodium EDTA	Chelating Agent	5.00
A5	Acusol 445N	Homopolymer of Acrylic acid (MW 4500)	Thickener	5.00
A6	Sufrasoft CB30	Cocamidopropyl Betaine	Surfactant	10.00
A7	Sufrasoft AO100	Cocamidopropylamine Oxide	Surfactant	5.00
A8	Laureth-10	Lauryl Alcohol Ethoxylate-10EO	Surfactant	5.00
A9	Sufravon 874	Potassium Cocoate	Surfactant	50.00
A10	Fragrance		Fragrance	0.50
	TOTAL			100.00

Formulation Benefits

- ✓ Versatile surfactant compatibility
- ✓ Viscosity modifier
- ✓ Grease cutter
- ✓ Stable foaming effect

Key Ingredients

Sufrasoft CB30

- ✓ Outstanding mildness
- ✓ Good foaming character
- ✓ Conditioning effect
- ✓ ISO 16128-1: 63%

Sufrasoft AO100

- ✓ Bio-Based, biodegradable and non-hazardous
- ✓ Stable over a wide pH range
- ✓ Sulfate Free
- ✓ ISO 16128-1: 89%

Sufravon 874

- ✓ Clinically tested hypoallergenic
- ✓ Viscosity building

All data, formulations and information provided herein have not been comprehensively tested and are not represented as suitable for any particular uses. Statement concerning possible or suggested uses made herein may not be relied upon or be construed as a guaranty of no patent infringement. Users have the sole responsibility and obligation for making preliminary tests to determine the suitability of the sample formulations described herein for any application, to make tests before use in any specific applications, and to confirm the performance, efficacy, safety and regulatory compliance of such products for their particular use.

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Procedure

- 1 Add all ingredients one by one with continuous mixing after each addition until homogeneous.
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Specification

Appearance	Thick liquid
Color	Yellowish
pH	9-11
Odor	Characteristic odor

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