Stepan

Formulation

Name	**The Minimalist Collection: Wash**
No.	1299
Description	Seven ingredients* or less, no drama. The Minimalist Collection accomplishes your grooming and personal care needs with two simple, thoughtfully designed products, minimally fragranced using only essential oil. Wash contains five ingredients to gently cleanse your hair, feet, and everything in between. With its creamy lather, it can also be used as a shaving aid for body and face.

Formulation

INGREDIENTS:	% by Weight	Functionality
=== Phase 1 ===		
Deionized Water	q.s. to 100.00	Diluent
BIO-TERGE® AS-40 HP	35.00	Primary Surfactant
LATHANOL® LAL Powder	5.00	Secondary Surfactant
=== Phase 2 ===		
Sodium Benzoate	0.50	Preservative
=== Phase 3 ===		
STEPAN-MILD® L3	0.50	Emollient
NINOL® CAA	2.00	Secondary Surfactant, Solubilizer
Orange Oil (Orchidia Fragrances) Citrus Aurantium Dulcis (Orange) Peel Oil	0.10	Fragrance
=== Phase 4 ===		
Citric Acid, 50% Solution	q.s.	pH Adjuster
Total	**100.00**	

Procedure

1. Add Deionized Water to a suitable vessel equipped with heating and agitation capabilities.
2. Add BIO-TERGE® AS-40 HP and LATHANOL® LAL Powder, with mixing.
3. Start heating to 45ºC (113ºF) . Mix until clear.
4. Add Sodium Benzoate. Mix until clear.
5. In a separate vessel pre-mix NINOL® CAA, STEPAN-MILD® L3 and Orange Oil.
6. Add this premix with mixing until clear
7. Cool to room temperature.
8. Check pH and add Citric Acid, 50% Solution to adjust pH.
9. Check viscosity.

Physical Properties

Appearance at 25ºC	Clear yellowish liquid
Viscosity at 25ºC, cps	15,000-20,000
pH at 25ºC, as is	5.5-6.5

Storage/ Stability

4 weeks at 5ºC	Stable
4 weeks at 25ºC	Stable
4 weeks at 45ºC	Stable
Freeze/Thaw 3 cycles	Passed

Instructions for Use	Apply to hair and body. Lather, then rinse thoroughly. Repeat if desired. Use daily.
	Wash contains five ingredients to gently cleanse your hair, feet, and everything in between. With its creamy lather, it can also be used as a shaving aid for body and face.
External Comment	*Ingredients are counted by INCI name; count does not include water, processing aids (such as citric acid, sodium chloride, or sodium hydroxide) or preservatives.
Registered Trademarks of Stepan Company	BIO-TERGE® LATHANOL® STEPAN-MILD® NINOL®
For Additional Assistance	For applications or product handling assistance, call our Technical Service Department at 1-800-745-7837 (U.S.) or 011-334-76-505-100 (Europe). For ordering assistance, call our Account Service Department at 1-800-457-7673.

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