



# Formulation

Name	<b>BODY WASH</b>	
No.	872	
Description	This product cleans and conditions skin.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u>    <u>Functionality</u></b>
	Deionized Water	q.s. to 100.0 Solvent, Carrier
	PEG-150 Distearate (HALLSTAR® 6000 DS)	1.5 Thickener
	BIO-TERGE® AS-40 (or BIO-TERGE® AS-40 HA)	25.0 Primary Surfactant
	AMPHOSOL® CS-50	6.0 Secondary Surfactant
	Glycerin (Uniqema)	1.0 Humectant
	DL-Panthenol (Roche) Panthenol	0.05 Additive
	Preservative, Dye, Fragrance	q.s. Additives
	Citric Acid	q.s. pH Adjuster
	Sodium Hydroxide	q.s. pH Adjuster
	Sodium Chloride	q.s. Viscosity Adjuster
	<b>Total</b>	<b>100.0</b>
Procedure	<p>1. Into a suitable vessel equipped with mixing and heating capabilities, combine the following ingredients: Deionized Water, PEG-150 Distearate, BIO-TERGE® AS-40 (or BIO-TERGE® AS-40 HA), AMPHOSOL® CS-50, Glycerin, and DL-Panthenol.</p> <p>2. Heat to 60°C-65°C (140°F-149°F). Mix until solution is clear.</p> <p>3. Cool the batch to 25°C. Add Preservative, Dye, and Fragrance.</p> <p>4. Adjust pH with Citric Acid or Sodium Hydroxide and viscosity with Sodium Chloride, if necessary.</p> <p>*Note: When formulating with BIO-TERGE® AS-40 HA, a greater amount of Citric Acid may be needed to adjust the pH within the recommended range as noted, than when formulating with BIO-TERGE® AS-40.</p>	
Physical Properties	Appearance at 25°C	Clear liquid
	pH at 25°C	6.0-6.5
	Viscosity at 25°C, cps	3,000-3,500
Storage/Stability	1 month at 25°C	Stable
	1 month at 42°C	Stable
	1 month at 50°C	Stable
Instructions for Use	Apply to skin, lather and rinse.	
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For Additional Assistance	<p>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).</p> <p>For ordering assistance, call our Account Service Department at 1-800-457-7673.</p> <p>The information contained herein is based on the manufacturer's own study and the works of others and is subject to</p>	

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