



# Formulation

Name	<b>LIGHT O/W LOTION FOR DRY SKIN</b>	
No.	845	
Description	This formulation provides a non-greasy, non-oily residue and reduces dryness of skin.	
Formulation	<b>INGREDIENTS:</b>	<b><u>% by Weight</u>   <u>Functionality</u></b>
	=== Phase 1 ===	
	Deionized Water	q.s. to 100 Carrier
	Glycerin (Dow)	0.5 Humectant
	STEPANQUAT® ML	2.11 Conditioning agt
	Lipocol L (Lipo) Lauryl Alcohol	2.5 Thickener
	Isopropyl Palmitate (HALLSTAR® IPP)	5.0 Emollient
	Structure ZEA (National Starch & Chemical Company)	3.0 Thickener
	Hydroxypropyl Starch Phosphate	
	=== Phase 2 ===	
	Preservative, Dye, Fragrance	q.s. Additives
	Sodium Hydroxide	q.s. pH Adjuster
	Citric Acid	q.s. pH Adjuster
	<b>Total</b>	<b>100.0</b>
Procedure	Into a vessel equipped with agitator, add Deionized Water and Glycerin. Start mixing. Into the vortex, sprinkle in Structure ZEA. Mix until dispersed. Add STEPANQUAT® ML. Mix well. Add Lipocol L (heat to 25-27°C, if not homogeneous). Add Isopropyl Palmitate. Mix. Add Preservative, Dye, and Fragrance. Adjust pH with Sodium Hydroxide or Citric Acid, if necessary.	
Physical Properties	Appearance at 25°C	Opaque lotion
	pH, as is	4.0 - 4.5
Storage/Stability	3 months at 25°C	Stable
	2 months at 42°C	Stable
	2 months at 50°C	Stable
	Freeze/Thaw, 3 cycles	Stable
Instructions for Use	Apply to the skin as a regular lotion.	
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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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Revision Date: 09/27/2017    Publication Date: 03/31/2008    © 2017, Stepan Company. All rights reserved.