

Liquid Hand Soap ARL-23-159-1

PHASE A	% W/W
Deionized Water	19.64
Standapol ES-1 ² (Sodium Laureth Sulfate)	60.00
Stepan Mild SL3 BA ³ (Disodium Laureth Sulfosuccinate)	5.00
PHOENOTAINE C-35¹ (Sodium Cocamidopropyl PG- Dimonium Chloride)	6.00
Cola teric COAB ⁴ (Cocamidopropyl Betaine)	3.50
Antil 120 Plus ⁵ (Peg-120 Methyl Glucose Dioleate)	0.75
PECOSIL PAN-418¹ (Steardimonium Hydroxypropyl Panthenyl PEG-7 Dimethicone Phosphate Chloride)	
PHASE B	
PECOSIL FDM-30¹ (Perfluorononylethyl Carboxydecyl PEG-10 Dimethicone)	0.75
PHOENOXIDE HCO-40¹ (PEG-40 Hydrogenated Castor Oil)	3.50
PHASE C	
Preservative	QS
FD&C Blue#1/ CI 42090 ⁶ (0.5% aqueous solution)	0.34
FD&C Yellow#5/ CI 19140 ⁶ (0.5% aqueous solution)	0.52
	100.00
1: PHOENIX CHEMICAL, Inc.	
2. BASF	
3. Stepan	
4. Colonial Chemical	
5. Evonik	
6. Sun Chemical	

Procedure:

In main kettle, charge water add all components of Phase A. Heat to melt Antil 120 Plus while mixing until completely homogenous and phase is clear. Begin cooling and add Phase B components one at a time mixing each until homogenous. At room temperature add Phase C mixing until homogenous.

INGREDIENT	FUNCTION
PHOENOTAIN C-35	Mild surfactant and enhances foaming
PECOSIL PAN-418	Exhibits moisturizing properties
PECOSIL FDM-30	Water soluble fluoro silicone fluid that leaves the skin with a soft non-tacky feel
PHOENOXIDE HCO-40	Non-ionic solubilizer