

Gel Hand Sanitizer ARL-23-157-2

PHASE A	% W/W
Deionized Water	31.71
Ultrez-21 (Acrylates/C10-30 Alkyl Acrylate Crosspolymer) ²	1.10
TEA (Triethanolamine 99%) ³	0.35
Glycerin (Glycerin) ⁴	0.35
PHASE B	
PECOSIL® DCU¹ (Dimethicone PEG-7 Undecylenate)	0.55
PELEMOL® G7A¹ (Glycereth-7 Triacetate)	2.80
PHOENOXOL® BD-10P¹ (PPG-10 Butanediol)	0.55
PECOSIL® PS-112¹ (Dimethicone PEG-7 Phosphate)	0.55
Ethanol, SDA 40B ⁵ (Alcohol)	62.00
FD&C Blue#1 ⁶ (Blue#1)	0.04
	100.00
1: PHOENIX CHEMICAL, Inc.	
2. Lubrizol	
3. Dow Chemical	
4. House	
5. House	
6. Sensient Technologies	

Procedure: Charge water and begin mixing with prop mixer on medium speed. Slowly add Ultrez-21 and mix until uniformly dispersed. Add glycerin continue mixing. Partially neutralize with half of the TEA and mix until uniform. Place mixture under homogenizer and alternate adding Phase B and remainder of TEA. Homogenizing completely after each addition.

INGREDIENT	FUNCTION
PECOSIL® DCU	Hydro-alcoholic coupling agent
PELEMOL® G7A¹	Co-Solvent
PHOENOXOL®BP-10	Adds light feel to skin
PECOSIL®PS-112	Anti- Irritant, adds slip to skin