



**Foot Cream**  
**Formulation FC321**

<b><u>Phase</u></b>	<b><u>Ingredient</u></b>	<b><u>INCI Name</u></b>	<b><u>%w/w</u></b>
<b>Part A</b>	Water	Aqua	68.82
	Triethanolamine 99%	Triethanolamine	0.20
<b>Part B</b>	Mineral Oil	Mineral Oil	8.00
	Stearic Acid (Croda)	Stearic Acid	5.50
	Lipomulse 165 (Lipo)	Glyceryl Stearate, PEG-100 Stearate	1.50
	Cetyl Alcohol (Croda)	Cetyl Alcohol	0.60
	<b>Silube R-5550 (Siltech)</b>	<b>Dimethicone</b>	2.00
	<b>Silube 89 (Siltech)</b>	<b>Dimethicone</b>	1.00
	Cocoa Butter (Cognis)	Theobroma Cacao (Cocoa) Seed Butter	1.00
	Shea Butter (Cognis)	Butyrospermum Parkii (Shea Butter)	2.00
<b>Part C</b>	Glycerin	Glycerin	3.50
	Dry Flo PC (National Starch & Chemical)	Aluminum Starch Octenylsuccinate	2.00
	Propylene Glycol	Propylene Glycol	3.00
<b>Part D</b>	Triclosan	Triclosan	0.20
	Peppermint Oil (Citrus & Allied)	Mentha Piperita (Peppermint) Oil	0.30
	Menthol (Citrus & Allied)	Menthol	0.08
<b>Part E</b>	Germall Plus Liquid (Preservative) (ISP)	Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate	<u>0.30</u>
			<b><u>100.00</u></b>

**Procedure:**

1. In a clean and sanitized jacketed tank equipped with propeller mixer, add Triethanolamine to water and mix while heating to 70°C.
2. In a separate jacketed vessel heat oil phase (Part B) to 65-70°C.
3. Add Part B Oil phase to the Part A phase. Blend until temperature reaches 70°C, then use vigorous propeller mixing, but do not aerate.
4. In an appropriate vessel wet out the Dry Flo PC with Glycerin and Propylene Glycol, (Part C).
5. Premix separately to solubilize the Triclosan, Peppermint Oil and Menthol to achieve a uniform solution, (Part D).
6. Cool batch to less than 50°C and add premixed Part C and Part D, and the preservative and cool to 30°C using side sweep mixing.

Appearance: smooth uniform emulsion. pH 6.5-7.0.

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