



UREA FOOT SCRUB WITH MICROSCRUB 20PC

<u>Product Name</u>	<u>INCI Name</u>	<u>%W/W</u>	<u>Supplier</u>
Phase A			
Deionized Water	Water	53.70	N/A
Lactic Acid, 88%	Lactic Acid	5.00	R.I.T.A.
Phase B			
L-Arginine	Arginine	6.50	Ajinomoto
Urea	Urea	10.00	Centerchem
Brij 721	Steareth-21	0.60	ICI
Phase C			
Permethy [®] 102A	Isoeicosane	10.00	Presperse LLC
Lipo GMS 470	Glyceryl Stearate SE	3.00	Lipo Chemicals
Ceraphyl 847	Octyldodecyl Stearoyl Stearate	5.00	ISP
Lipowax D	Cetearyl Alcohol (&) Cetareth-2	2.00	Lipo Chemicals
Brij 72	Steareth-2 0.40 ICI		
Phase D			
Microscrub 20PC	Polyethylene	5.00	Micro Powders, Inc.
Phase E			
Germaben II	Propylene Glycol (&) Diazolidinyl Urea (&) Methylparaben (&) Propylparaben	0.50	ISP

Procedure

1. Charge Phase water into a suitable vessel.
2. Slowly add the lactic acid under moderate propeller agitation.
3. Add Phase B L-Arginine slowly and mix for five minutes after all has dissolved.
4. Add remaining Phase B materials and mix until clear.
5. Heat the combined phases A&B to 72°C.
6. Heat Phase C to 75°C.
7. Add phase C to the water phase. Mix 15 minutes.
8. Cool to 60°C, add Phase D. Mix until uniform.
9. Cool to 40°C, add Phase E. Cool to 25°C.
10. Switch to sweep mixer when needed.