



## FACIAL SCRUB WITH MICROSCRUB

<u>Product Name</u>	<u>INCI Name</u>	<u>%W/W</u>	<u>Supplier</u>
<b>Water Phase</b>			
Water	Water	63.50	N/A
Carbopol 940	Carbomer	0.20	BF Goodrich Co.
Glycerine USP	Glycerine	2.00	N/A
<b>Oil Phase</b>			
Arlacel 165	Glyceryl Stearate (& PEG-100 Stearate	6.00	ICI
Carnation Mineral Oil	Mineral Oil	5.00	Witco Corporation
Ceraphyl 494	Isocetyl Stearate	8.00	ISP
Emersol 132	Stearic Acid	3.00	Henkel Corporation
Lypocols	Stearyl Alcohol	1.00	Lipo Chemicals
Triethanolamine 99%	Triethanolamine	0.30	Union Carbide
Germaben 11-E	Propylene Glycol, Diazolidinyl Urea, Methylparaben, Propylparaben	1.00	ISP
<b>Microscrub 20PC, 50PC, 80PC, 100PC, H-50PCS</b>	Polyethylene	10.00	<b>Micro Powders, Inc.</b>

### Procedure

1. Stir Constantly.
2. Sprinkle Carbopol very slowly into water and glycerine in batch tank. The powder should be added into the vortex created by a very rapidly stirring propeller mixer. Stir until uniform with no "fish eyes".
3. Heat to 65°C.
4. Heat oil phase in separate container to 70°C.
5. Add oils at 70°C to batch at 65°C.
6. Mix a few minutes, then add TEA to batch. Stirring should be slowed, so that no air is incorporated, when oils are added to the water.
7. Begin cooling to room temperature.
8. At 55°C, add Germaben and then the Microscrub. May have to use a spatula or paddle type stirrer to disperse the Microscrub.
9. QS with cold water (based on tare weight of beaker) to add back the water lost during heating.