

ROLL-ON ANTIPERSPIRANT LOTION

RAW MATERIALS	% By Weight
A. Water	29.0
B. Veegum	1.0
C. PEG-8 Distearate	8.0
D. REZAL 36G or REZAL 67 (soln)	55.0
E. Volatile Silicone 7158	7.0
F. Perfume	q.s.

## Procedure:

1. Add B to A slowly with continuous agitation using an Eppenbach Homomixer. Continue for 1.5 hours at ca. 4000 rpm. Discontinue agitation and allow suspension to stand for a prolonged period (preferably overnight) to ensure complete hydration. Heat to 70C.
2. Heat C to 75C and add to 1. Mix (using ordinary overhead stirrer) until mixture cools to 50C.
3. Heat D to 50C and add to 2. Mix until temperature decreases to ambient temperature. Add E and F and stir for 15 minutes
4. Homogenize and package.

SOURCE: Reheis Inc.: REZAL Aluminum Zirconium Chlorohydrate Complexes Super Dry Actives: Formulation

ROLL-ON ANTIPERSPIRANT LOTION

RAW MATERIALS	% By Weight
A:	
VEEGUM HV	1
Water	49
B:	
Amerchol L-101	5
Solulan 98	2
Cetyl alcohol	1
Glycerin	2
Arlacel 165	4
C:	
Aluminum chlorhydrate 50%	36
Preservative	q.s.

## Procedure:

Slowly add VEEGUM HV to the water, while agitating at maximum available shear. Continue mixing until smooth. Heat A to 85C. Heat B to 80C. Add A to B with mixing to 40C. Heat C to 40C and add to A/B slowly. Continue stirring and cool to room temperature

SOURCE: R.T. Vanderbilt, Inc.: Cosmetics and Toiletries Formulary: Formula No. 148