

WATER-IN-OIL COSMETIC EMULSION - HIGH VISCOSITY LOTION

RAW MATERIALS	% By Weight
Phase A:	
WITCONOL 14 (Polyglycerol-4 Oleate)	1.5
Carnation White Mineral Oil	9.0
WITCO Aluminum Stearate EA (Food Grade)	0.7
PERFECTA Petrolatum	2.3
Phase B:	
Methylparaben	0.15
Propylparaben	0.10
Fragrance, Color	q.s.
Water	q.s. to 100

WATER-IN-OIL COSMETIC EMULSION - SOFT CREAM

RAW MATERIALS	% By Weight
Phase A:	
WITCONOL 14 (Polyglycerol-4 Oleate)	5.0
Carnation White Mineral Oil	5.5
WITCO Aluminum Stearate EA (Food Grade)	2.5
Perfecta Petrolatum	10.5
Aristowax 143	5.5
Phase B:	
Methylparaben	0.15
Propylparaben	0.10
Fragrance, Color	q.s.
Water	q.s. to 100

Heat Phase A to 90 to 95C. Stir at this temperature until uniform (about 15 minutes).

Add Phase B, preheated to 90 to 95C, to oil Phase A with moderate agitation. Maintain agitation for 15 minutes at 90C and during cooling. Pour at or below 35C.

These emulsions are recommended for use as night creams, moisturizing creams or cleansers. They are characterized by excellent emulsion viscosity stability on extended storage. Unlike most water-in-oil emulsions prepared as above, these exhibit none of the characteristic greasiness, and they spread quite easily and rapidly on the skin. Since water is the internal phase in these emulsions, they do not evaporate as readily as oil-in-water types on application. Thus small amounts should be applied and spread over a wide skin area.

SOURCE: Witco: Surfactants for Cosmetics and Toiletries:
Formulation 112C