

FLORATECH<sup>®</sup> ASIA  
 6 FL., NO. 360, RUEI GUANG ROAD  
 NEIHU, TAIPEI, TAIWAN, ROC  
 PHONE: 886 2 8751 6060  
 FAX: 886 2 8751 6363

FLORATECH<sup>®</sup> AMERICAS  
 291 EAST EL PRADO COURT  
 CHANDLER, ARIZONA 85225  
 PHONE: 480-545-7000  
 FAX: 480-892-3000

FLORATECH<sup>®</sup> EU  
 VIA TANARO 15, 20017 RHO  
 MILAN, ITALY  
 PHONE: 39 02 93 04946  
 FAX: 39 02 93 50 8238

see [www.floratech.com](http://www.floratech.com) to find your local Floratech representative

## Sunflower Oil Fluid Foundation

Products highlighted: *Floraesters<sup>®</sup> K-20W, Jojoba, Floraesters 15, Floraesters 30, Florasun<sup>®</sup> 90*

The Floraesters and Florasun 90 add stability to avoid oxidative breakdown that frequently occurs with most natural oils in the presence of metallic oxides (titanium and iron oxides).

Phase	Trade Name	INCI Name	Supplier	%wt./wt
A.	Sodium CMC	Cellulose Gum	Aqualon	0.30
	Veegum	Magnesium Aluminum Silicate	R.T. Vanderbilt	0.75
	Propylene Glycol	Propylene Glycol	Ashland	9.00
	Polyglycol E-400	PEG-8	Dow	3.00
	Deionized Water	Water		Q.S.
	Preservative	-----	-----	Q.S.
B.	Supra H	Talc	Luzenac America	2.00
	Kowet	Titanium Dioxide	Sensient Food Colors	8.40
	Pur Oxy Brown B.C. 34-3180	Iron Oxides	Lubrizol	0.40
	Pur Oxy Yellow B.C. 34-3170	Iron Oxides	Lubrizol	1.00
	Pur Oxy Black B.C. 34-3070	Iron Oxides	Lubrizol	0.20
C.	<b>Floraesters K-20W Jojoba</b>	<b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	<b>Floratech</b>	<b>4.8</b>
	Standapol SH-135	Disodium Oleamido PEG-2 Sulfosuccinate	Cognis	0.15
D.	<b>Floraesters 15</b>	<b>Jojoba Esters (and) Tocopherol</b>	<b>Floratech</b>	<b>5.00</b>
	<b>Floraesters 30</b>	<b>Jojoba Esters (and) Tocopherol</b>	<b>Floratech</b>	<b>2.00</b>
	<b>Florasun 90</b>	<b>Helianthus Annuus (Sunflower) Seed Oil (and) Tocopherol</b>	<b>Floratech</b>	<b>5.50</b>
	Preservative	-----	-----	Q.S.
	Solulan C-24	Choleth-14 (and) Ceteth 24	Lubrizol	0.45
	Tween 60	Polysorbate 60	Uniqema	0.50
	Lanette 16	Cetyl Alcohol	Cognis	0.55
Pristerene 4911	Stearic Acid	Uniqema	2.30	
E.	Fragrance	Fragrance		Q.S.
<b>TOTAL:</b>				<b>100.00</b>

### Mixing Procedure:

- Heat water of Phase A to 75°C. Disperse Sodium CMC and Veegum in propylene glycol/PEG-8 and add water with rapid propeller agitation. Mix for 30 minutes and add remaining ingredients of Phase A with moderate agitation. Mix for 20 minutes at 75°C.
- Add pigments/talc of Phase B to Phase A at 75°C with high-speed homomixer agitation. Agitate for 30 minutes.
- Add Phase C to Phase AB with moderate propeller agitation. Mix for 10 minutes.
- Combine Phase D and heat to 75°C with agitation. With both Phase ABC and Phase D at 75°C, add Phase D slowly to Phase ABC with moderate propeller agitation. Mix 20 minutes at 75°C. Then, begin force cooling to 40-45°C with agitation.
- Add Phase E to batch at 40°C and cool to room temperature with moderate propeller agitation.

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of their accuracy is made and the products discussed are sold without warranty, expressed or implied, and upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent.