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

## Floratech Sunblock Stick

*Products highlighted: Floramac® Macadamia Oil, Floraesters® 30, and Floraesters 60*

Jojoba esters in conjunction with sunscreen actives form a protective, emollient film on the skin. This handy Sunblock Stick can be used any time extra sunscreen protection is desired. Each of the natural botanical emollients exhibits excellent oxidative stability.

| Phase | Trade Name                    | INCI Name  | Supplier          | % wt./wt.     |
|-------|-------------------------------|--|-------------------|---------------|
| A.    | Castor Oil                    | Ricinus Communis (Castor) Seed Oil   | CasChem           | Q.S.          |
|       | <b>Floramac Macadamia Oil</b> | <b>Macadamia Integrifolia Seed Oil (and) Tocopherol</b>  | <b>Floratech</b>  | <b>1.40</b>   |
|       | <b>Floraesters 30</b>         | <b>Jojoba Esters (and) Tocopherol</b>  | <b>Floratech</b>  | <b>13.00</b>  |
|       | <b>Floraesters 60</b>         | <b>Jojoba Esters (and) Tocopherol</b>  | <b>Floratech</b>  | <b>6.00</b>   |
|       | White Petrolatum              | Petrolatum   | Penreco           | 11.00         |
|       | Carnauba Wax #1 Yellow SP 63  | Copernicia Cerifera (Carnauba) Wax   | Strahl & Pitsch   | 5.00          |
|       | Candelilla Wax Ba #2908       | Euphorbia Cerifera (Candelilla) Wax  | Koster Keunen     | 5.00          |
|       | Yellow Beeswax SP 6P          | Beeswax  | Strahl & Pitsch   | 3.00          |
|       | Castorwax-NF                  | Hydrogenated Castor Oil  | CasChem           | 1.00          |
|       | NatureChem CR                 | Cetyl Ricinoleate  | CasChem           | 2.00          |
|       | Preservative                  | -----  |                   | Q.S.          |
| B.    | Eusolex T-45D                 | Isononyl Isonononate (and) Titanium Dioxide (and) Alumina (and) Simethicone (and) Polyglyceryl-6 Ricinoleate | Rona              | 1.00          |
| C.    | Eusolex OS                    | Ethylhexyl Salicylate  | Rona              | 2.00          |
|       | Parsol MCX                    | Ethylhexyl Methoxycinnamate  | DSM               | 5.00          |
|       | Escalol 567                   | Benzophenone-3   | ISP Van Dyke Inc. | 1.02          |
|       | Covi-Ox T-70                  | Tocopherol   | Cognis            | 0.10          |
|       | Fragrance                     | Fragrance  |                   | Q.S.          |
|       |                               |  | <b>TOTAL</b>      | <b>100.00</b> |

### Mixing Procedure:

1. Combine ingredients of Phase A and heat to 85°C with moderate agitation.
2. Add Phase B to Phase A and homomix for complete dispersion at 85°C.
3. Add ingredients from Phase C in the order listed to Phase AB. Pour into containers as soon as possible.

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.