



# Versastique<sup>TM</sup>

by *penreco*<sup>®</sup>

## Shimmer Shield

Clear Sunscreen Stick with Glitter



## Shimmer Shield - Clear Sunscreen Stick with Glitter

### PRODUCTS

*\* This formulation is for experimental use only. User assumes all risks.*

| Raw Material                   | Composition                                                                                                                                                                                                                                  | % w/w | Supplier    |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|
| <b>PHASE 1</b>                 |                                                                                                                                                                                                                                              |       |             |
| Versastique™ Clear ME 5T       | Hydrogenated Polyisobutene, Butyl Stearate, Isostearyl Alcohol, Hydrogenated Styrene/Butadiene Copolymer, Octyl Dodecanol, Dibutyl Lauroyl Glutamide, Dibutyl Ethylhexanol Glutamide, Pentaerythrityl Tetra-Di-t-Butyl Hydroxyhydrocinnamate | 71.80 | Penreco     |
| Versastique™ Clear SQ 5T       | Squalane, Butyl Stearate, Isostearyl Alcohol, Hydrogenated Styrene/Butadiene Copolymer, Octyl Dodecanol, Dibutyl Lauroyl Glutamide, Dibutyl Ethylhexanol Glutamide, Pentaerythrityl Tetra-Di-t-Butyl Hydroxyhydrocinnamate                   | 5.00  | Penreco     |
| <b>PHASE 2</b>                 |                                                                                                                                                                                                                                              |       |             |
| Parsol® 1789                   | Butyl Methoxydibenzoylmethane                                                                                                                                                                                                                | 3.00  | DSM         |
| Parsol® 340                    | Octocrylene                                                                                                                                                                                                                                  | 5.00  | DSM         |
| Parsol® EHS                    | Ethylhexyl Salicylate                                                                                                                                                                                                                        | 5.00  | DSM         |
| Parsol® HMS                    | Homosalate                                                                                                                                                                                                                                   | 8.00  | DSM         |
| Lexol® GT-865                  | Caprylic/Capric Triglyceride                                                                                                                                                                                                                 | 2.00  | Inolex      |
| <b>Phase 3</b>                 |                                                                                                                                                                                                                                              |       |             |
| Tropical Island                | Fragrance                                                                                                                                                                                                                                    | 0.20  | Orchidia    |
| Sunshine® Ultra Glitter Golden | Synthetic Fluorhlogopite and Titanium Dioxide (CI 77891) and Iron Oxide (CI 77491)                                                                                                                                                           | qs    | SunChemical |

### MAKING PROCEDURE:

Heat Phase 1 to 120 °C

Heat Phase 2 to 80 °C then add to Phase 1, then remove from heat

Add Phase 3 to molten mixture with gentle stirring prior to set point



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