

138 Petrolia St. Karns City, PA 16041 Phone: 800-245-3952 or 724-756-0110 Fax: 724-756-1050 Email: penreco@clmt.com Web: www.penreco.com/versastique

## **Anti-aging Mineral Sunscreen Stick**

| Phase | Trade Name                       | Supplier  | INCI  | % w/w | Function              |
|-------|----------------------------------|-----------|---|-------|-----------------------|
| 1     | Versastique™ Clear SQ 5T         | Penreco   | Squalane, Butyl Stearate, Isostearyl Alcohol, Hydrogenated Styrene/<br>Butadiene Copolymer, Octyl Dodecanol, Dibutyl Lauroyl Glutamide,<br>Dibutyl Ethylhexanoyl Glutamide, Pentaerythrityl Tetra-Di-t-Butyl<br>Hydroxyhydrocinnamate | 78.00 | Anti-aging stick base |
| 2     | Neossance CleanScreen<br>Z80nano | Aprinnova | Zinc Oxide & C13-15 Alkane & Polyglyceryl-3 polyricinoleate & Sorbitan Isostearate & Triethoxycaprylylsilane  | 19.00 | Sunscreen             |
| 2     | Neossance CleanScreen<br>T65     | Aprinnova | Titanium Dioxide & C13-15 Alkane & Polyglyceryl-3 polyricinoleate & Sorbitan Isostearate & Silica & Triethoxycaprylylsilane   | 3.00  | Sunscreen             |

<sup>\*</sup> This formulation is for experimental use only. User assumes all risks. Tested performance SPF30.

## **MAKING PROCEDURE:**

Heat Phase 1 until completely dissolved (120-130 °C). Start stirring and allow to cool to 120 °C Add Phase 2 ingredients sequentially with continued stirring. Continue stirring at 120 °C for 1 hour. Pour into desired packaging.

## Results:

White solid stick that leaves no residue after application to skin.

Formulation developed by Calumet Refining, LLC, which is a wholly owned subsidiary of Calumet Specialty Products Partners, L.P. For questions regarding formulations, contact penreco@clmt.com.

All product sales are subject to applicable terms and conditions. © 2019 Calumet Refining, LLC. Rev 09/19