

# Milky Zinc Sunscreen

## 26075



| Phase | %    | Tradename                  | INCI   | Supplier                     | Function                        |
|-------|------|----------------------------|--|------------------------------|---------------------------------|
| A     | 43.0 | Water                      | Water  | -                            | Solvent                         |
| A     | 5.0  | <b>ZEMEA</b>               | Propanediol  | CovationBio                  | Moisturization and much more    |
| A     | 1.0  | <b>Zeastat</b>             | Caprylhydroxamic Acid, Propanediol                   | Inolex                       | Preservative                    |
| B     | 25.0 | <b>LexFeel SunLight MB</b> | Heptyl Undecylenate, Polyhydroxystearic Acid         | Inolex                       | Emollient, dispersant           |
| B     | 1.0  | Cithrol PGTL               | Tri(Polyglyceryl-3/Lauryl) Hydrogenated Trilinoleate | Croda                        | Emulsifier                      |
| B     | 1.0  | <b>FeruliShield Soy</b>    | Feruloyl Soy Glycerides                              | Midwest Bioprocessing Center | Antioxidant, SPF booster        |
| B     | 1.0  | <b>LipoFullerene N</b>     | Fullerenes, Squalane                                 | MIFI Bioceuticals            | Antioxidant, SPF booster        |
| B     | 1.0  | SolaStay S1                | Ethylhexyl Methoxycrylene                            | Hallstar                     | Photostabilizer, SPF booster    |
| C     | 20.0 | <b>MZX-OTS-2</b>           | Zinc oxide, Triethoxycaprylylsilane                  | MIFI Bioceuticals            | Sunscreen active                |
| D     | 2.0  | <b>SOLESPHERE H-33</b>     | Silica   | AGC                          | Aesthetic enhancer, SPF Booster |

Active ingredients: 20% Zinc Oxide

Water, Heptyl Undecylenate, Propanediol, Silica, Tri(Polyglyceryl-3/Lauryl) Hydrogenated Trilinoleate, Ethylhexyl Methoxycrylene, Feruloyl Soy Glycerides, Polyhydroxystearic Acid, Caprylhydroxamic Acid, Fullerenes, Squalane, Triethoxycaprylylsilane

## Procedure

1. Premix A and B until uniform
2. Slowly add C to B with fast high shear impeller mixing
3. Continue mixing B/C until uniform and smooth
4. Slowly add A to B/C with high flow impeller mixing
5. Continue mixing A/B/C until uniform and smooth
6. Add D to A/B/C until uniform and smooth
7. Briefly homogenize

## Distinctives

- ✚ Low viscosity formulation perfect as an everyday or beach sunscreen serum worn by itself or under makeup
- ✚ Low whitening on skin with dry, powdery afterfeel
- ✚ In-vitro SPF 42.8, CW 371.4nm
- ✚ Contains powerful antioxidant package
  - LipoFullereneN
  - FeruliShield Soy