


**TITLE: SPF 50 MINERAL SUNSCREEN LOTION**
**FORMULATION #DN-047-63-1**

Ingredient	Product Type	Market Focus	Function	Skin Types	Method	Snap Shot
	Lotion	All	Protect Prevent	All	Cold Process	This SPF 50 mineral sunscreen lotion contains Hydresia® and Zinc Oxide

**Key Ingredients**

Trade Name	INCI Name	Wt%
<b>PHASE A</b>		
Water	Aqua	41.80
Siligel	Xanthan Gum (and) Lecithin (and) Sclerotium Gum (and) Pullulan	0.20
Natpure Cellgum Plus	Microcrystalline cellulose / cellulose gum / cellulose	1.00
Zemea	Propanediol	8.00
<b>PHASE B</b>		
Zinclear XP65Coco	Zinc Oxide (and) Coco-Caprylate/Caprate (and) Polyglyceryl-3 Polyricinoleate (and) Isostearic Acid	32.00
Grant UVCutTiO2 60VL	Titanium Dioxide (and) Coconut Alkanes (and) Polyhydroxystearic Acid (and) Stearic Acid (and) Alumina (and) Coco-Caprylate/Caprate	4.00
Emosmart L-15	C13-15 Alkane	7.00
<b>Hydresia® SF2 (Botaneco)</b>	<b>Carthamus Tinctorius (Safflower) Oleosomes + Water</b>	<b>5.00</b>
<b>PHASE C</b>		
SpectraStat PHL	Capryl hydroxamic Acid (and) 1,2-Hexanediol (and) Propanediol	1.00

**Procedure**

- In main beaker, mix Phase B until uniform, keeping mixer under 800 RPMs. Pre-blend Zemea and Natpure Cellgum Plus and Siligel and add to water mixing well with prop mixer.
- Add Phase B to Phase A, keeping mixer under 800 RPMs. Add Phase C, mix until uniform.

Viscosity: Brookfield LVT #4 @10rpm 23°C, 4000 - 7000cps (6800cps)  
pH= 7.98

**Sales & Technical Support**

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