

The **Sensoderm** ester cascade effect is at it again lending sensorial complexity and mineral dispersion to this retro-90's nose guard protecting your schnoz from burning at the beach or the pool. The stick base is anchored by our **Activederm RW** rice bran wax to evenly convey TiO₂ and nano-sized ZnO mineral sunscreens in water-resistant Day-Glo bright fashion. Why hide your sunscreen when you can show it off instead?

		 Components	 INCI Declaration	 %	 Function
Phase I		Sensoderm PGD Sensoderm INN Sensoderm CCC Bentone Gel TN-V ^(A)	Propylene Glycol Dicaprylate/Dicaprate Isononyl Isononanoate Coco-Caprylate/Caprate C12-15 Alkyl Benzoate (and) Stearalkonium Hectorite (and) Propylene Carbonate	22.00 18.00 16.00 3.00	Emollient carrier Emollient carrier Emollient carrier Suspension agent
Phase II		Dimethicone 350 cst	Dimethicone	3.50	Emollient
Phase III		UVR TiO ₂ AS ^(B) Zano 20 Plus ^(C) Elara Luxe ELX-21 Corona Magenta ^(D)	Titanium Dioxide Zinc Oxide Oryza Sativa Seed Protein (and) Red 28 (and) Aluminum Hydroxide	3.00 15.00 4.00	UV Filter UV Filter Colorant
Phase IV		Activederm RW Paracera N 78 ^(E) Purester 40 ^(F)	Oryza Sativa (Rice) Wax Synthetic Wax Stearyl Behenate	7.00 4.50 4.00	Wax builder Wax builder Wax builder
Appearance Melt point range Congealing range SPF Value		Iridescent magenta solid with creamy payout 50 – 55°C 45 – 50°C 50 (estimated)			

Procedure:

1. Add the three Sensoderm esters into the jacketed vessel. Begin mixing at high speed.
2. Begin heating and add the Bentone Gel. Continue mixing at high speed for 45 minutes.
3. At 85 - 90°C add the titanium dioxide powder and mix for 15 minutes at high speed.
4. Now slowly add zinc oxide into the batch avoiding powder cloud. Continue mixing.
5. Once ZnO is completely dispersed add the colorant to the batch and mix well.
6. Holding temperature at 80 - 85°C, add Activederm RW and mix/melt until dispersed.
7. Now add other two materials in Phase IV and melt/mix well. Stop heating.
8. Allow temperature to cool to 55°C with moderate speed mixing.
9. Fill the batch at 55 - 60°C into PP propel-repel canisters and let cool to 35°C.
10. Fit the canisters with closures when product is cooled.

Sources:

- A. Elementis
- B. Sensient
- C. EverCare
- D. Day-Glo Color Corp.
- E. Paramelt
- F. Strahl & Pitsch