



## SELF-TANNING VELVETY SPRAY 6952

### Formula

|          |   |                              |
|----------|---|------------------------------|
| <b>A</b> | <ul style="list-style-type: none"><li>• Water</li><li>• Sodium hydroxide 48%</li><li>• <b>SENSANOV™ WR</b> (C20-22 Alkyl phosphate and C20-C22 alcohols - SEPPIC)</li></ul>                               | 40.00 %<br>0.0125%<br>0.50 % |
| <b>B</b> | <ul style="list-style-type: none"><li>• Dimethicone</li><li>• <b>SIMULGEL™ NS</b> (Hydroxyethylacrylate/sodium acryloyldimethyl taurate copolymer &amp; squalane &amp; polysorbate 60 - SEPPIC)</li></ul> | 5.00 %<br>0.50 %             |
| <b>C</b> | <ul style="list-style-type: none"><li>• Water</li></ul>   | QSP 100%                     |
| <b>D</b> | <ul style="list-style-type: none"><li>• Dihydroxyacetone</li><li>• <b>SEPICIDE™ HB</b> (Phenoxyethanol/Methylparaben/Ethylparaben /Propylparaben /Butylparaben - SEPPIC)</li></ul>                        | 5.00 %<br>0.50 %             |

### Procedure

Melt SENSANOV™ WR in the aqueous phase with the sodium hydroxide at 85°C (introduce only half of the water). When homogeneous, keep gentle stirring for 30 minutes before adding SIMULGEL™ NS previously diluted in the silicon oil (B). Start homogenizing for 4' at 3000rpm. Begin to cool and add the second part of water at approx 60°C. At this step start again the homogenizer for 4' at 3000 rpm. At 30°C, add preservative and DHA (heat sensitive ingredient). Stop mixing when all the DHA has dissolved..

### Comments

**SENSANOV WR** Versatile phosphate anionic emulsifier effective at low dosage (1 to 3%) Provides a feeling of lightness followed by the sensation of a matt velvety veil which slowly envelops the skin. Finally SENSANOV emulsions leaves the skin supple with a long lasting sensation of comfort. SENSANOV™ WR allows to formulate in acidic pH (4) required for DHA .

**SIMULGEL NS** Thickening and emulsifying agent in very easy to use liquid form (no pre-dispersion or neutralization). SIMULGEL NS perfectly stabilizes emulsions against high temperatures. Compatible with extreme pH values and highly oxidizing media.. SIMULGEL NS is particularly adapted to emulsify oils in fluid formulation.

**SEPICIDE™ HB** Preservative.

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## Characteristics

|           |  |
|-----------|--|
| Aspect    | white fluid emulsion                     |
| pH        | 4  |
| Viscosité | 1 300 mPa.s BROOKFIELD LV 6rpm           |
| Stabilité | stable at room temperature – 40°C – 50°C |

## Assessment

Visual control of colour :

- No yellowish colour after 6 monthes at room temperature
- No yellowish colour after 6 monthes at 40°C
- Very sligh yellow colour after one month at 50°C

= DHA exhibits a good compatibility with SENSANOV WR

## Notes

Dimethicone : DC200/350 (DOW CORNING)

DHA (MERCK)

## 6952 – SEPPIC – 0410

***Since this formula has not been the object of a toxicological study, the use and handling of the products proposed is purely indicative and SEPPIC accepts no responsibility for their use by another party.***

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