



## Self-Tanning Cream with RICE NS

“Formulation of INNOSPEC modified by AGRANA STARCH”

**RICE NS supports the effect of self-tanning products**

The Self-Tanning exhibits the following properties:  
 It spreads smoothly and imparts good skin feeling on application

| Ingredients | INCI-Name | %w/w | Supplier |
|-------------|-----------|------|----------|
|-------------|-----------|------|----------|

### Phase A

|                              |                                |      |                 |
|------------------------------|--------------------------------|------|-----------------|
| NIKKOL TMGS- 5V              | PEG-5 Glyceryl Stearate        | 1,50 | Nikko Chemicals |
| Brij S10                     | Steareth - 10                  | 1,50 | CRODA           |
| Crodacol C70                 | Cetyl Alcohol                  | 0,80 | CRODA           |
| Organic MCT<br>Coconut based | Caprylic / Capric Triglyceride | 4,00 | Cremer Care     |
| Finsolv TN                   | C12 – 15 Alkyl Benzoate        | 3,00 | INNOSPEC        |
| Finsolv – EMG 20             | Methyl Gluceth-20 Benzoate     | 6,00 | INNOSPEC        |

### Phase B

|                 |                                                              |             |               |
|-----------------|--------------------------------------------------------------|-------------|---------------|
| Deionized water | Aqua                                                         | q.s to 100  |               |
| <b>RICE NS</b>  | <b>Dimethylimidazolidinone<br/>rice starch</b>               | <b>2,00</b> | <b>AGRANA</b> |
| Flocare PSD 30  | Sodium Acrylate/Sodium<br>Acryloyldimethyl Taurate Copolymer | 1,50        | SDF Floeger   |

### Phase C

|                  |                  |       |              |
|------------------|------------------|-------|--------------|
| Deionized water  | Aqua             | 12,50 |              |
| Dihydroxyacetone | Dihydroxyacetone | 5,00  | RONA / MERCK |
| Erythrulose      | Erythrulose      | 1,50  | DSM          |

### Phase D

|                                |                                                          |                  |          |
|--------------------------------|----------------------------------------------------------|------------------|----------|
| Spectrastat                    | Caprylyl glycol (and) Caprylhydroxamic<br>(and) Glycerin | 1,00             | INOLEX   |
| Fragrance                      |                                                          | q.s              | DÜLLBERG |
| Citric Acid<br>(10 % Solution) |                                                          | q.s to<br>pH 4,0 |          |



# AGRANA STARCH

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- Formulation INNOSPEC  
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Viscosity = 13.500 (cPs Brookfield, spindle 6, 20rpm)

Viscosity = 6.900 (cPs Brookfield, spindle 6, 50rpm)

## PROCEDURE

1. Heat Phase A & B separately to 65 °C.
2. Add B to A with vigorous mixing, Allow cooling.
3. Add Phase C while continuing to stir.
4. Add Phase D with stirring.

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