

## Non-Oily Self-Tanning Gel

(Sample Recipe for Dihydroxyacetone)

### Non-Oily Self Tanning Gel

| Phase A                                 | Weight % | For 240 g / 8.5 oz             |
|---|----------|--------------------------------|
| Triglyceride (emollient)                | 6 %      | 14.4 g / 0.5 oz / 1 Tbsp       |
| GelMaker EMU (thickner, emulsifier)     | 3 %      | 7.2 g / 0.3 oz / 1 1/2 tsp     |
| <b>Phase B</b>                          |          |                                |
| Distilled Water (diluent)               | 84.3 %   | 202 g / 7.2 oz / 3/4 cup 4 tsp |
| Dihydroxyacetone (tanning agent)        | 3 %      | 7.2 g / 0.3 oz / 3/4 Tbsp      |
| Erythrulose (tanning agent)             | 2 %      | 4.8 g / 0.2 oz / 1 tsp         |
| <b>Phase C</b>                          |          |                                |
| <u>Phenoxyethanol/SA</u> (preservative) | 1.2 %    | 2.88 g / 0.1 oz / 60 drops     |
| <u>Fragrance</u>                        | 0.3 %    | 0.7 g / 15 drops               |
| Citric Acid (acidulant)                 | to pH 4  |                                |

#### Method

Give phase A into a clean, disinfected glass beaker and stir. Give phase B into another disinfected glass beaker and stir until the DHA and Erythrulose are dissolved. Add phase A to phase B with moderate stirring until homogenous. Add phase C to phase A/B and stir again, adjust pH to 4 with citric acid, start with a small amount of less than 1/16tsp. The viscosity can be adjusted further with GelMaker EMU.

#### Properties

Smooth non greasy gel for the face or body. Fill the gel into a tube or into a jar.