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## Natural W/O Sun Cream SPF 30 (SLI-013)

Sun Cream based on Zinc Oxide as single UV – Filter. Broadband UV – spectrum.

| Phase | Ingredient                                | INCI                                                           | % w/w | Function     |
|-------|-------------------------------------------|----------------------------------------------------------------|-------|--------------|
| A     | ISOLAN® GPS                               | POLYGLYCERYL-4 DIISOSTEARATE/<br>POLYHYDROXYSTEARATE/SEBACATE  | 3.50  | Emulsifier   |
|       | Magnesium Stearate                        | MAGNESIUM STEARATE                                             | 0.35  | Stabilizer   |
|       | Vitamin E Acetate                         | TOCOPHERYL ACETATE                                             | 0.50  | Active       |
|       | SHAROFEEL OLIVE<br>(Sharon Personal Care) | OLEA EUROPAEA OIL UNSAPONIFIABLES                              | 5.00  | Emollient    |
|       | Gilsolide® HVN<br>(GILAS sas)             | C13-14 ALKANE, POLYGLYCERYL-4<br>OLEATE, GLYCERYL OLIVATE      | 5.00  | Emollient    |
|       | Eclipse® D1-CC65<br>(Uviva Technologies)  | ZINC OXIDE, COCO-CAPRYLATE/CAPRATE,<br>POLYHYDROXYSTEARIC ACID | 30.75 | UV – Filter  |
| B     | Water demin.                              | AQUA                                                           | 51.70 |              |
|       | Glycerin 99,5%<br>(Glaconchemie GmbH)     | GLYCERIN                                                       | 3.00  | Humectant    |
|       | D-Panthenol 75 W                          | PANTHENOL                                                      | 0.20  | Active       |
|       | Magnesium Sulfate                         | MAGNESIUM SULFATE                                              | 0.50  | Stabilizer   |
|       | Citric Acid                               | CITRIC ACID                                                    | 0.50  | pH Adjuster  |
| C     | Preservative                              | SORBITAN CAPRYLATE, BENZYL ALCOHOL                             | 1.50  | Preservative |

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### Specification:

|             |                                                               |
|-------------|---------------------------------------------------------------|
| Appearance: | White cream                                                   |
| pH-value:   | N.A.                                                          |
| Viscosity:  | approx. 18000 mPas<br>(IKA Rotavisc me-vi, SP9, 5rpm, 20°C)   |
| Stability:  | Stable for 3 months at 4°C, 20°C and 40°C,<br>1 month at 45°C |

### Procedure:

- I. Mix the components of phase A while stirring and heat up to 80°C.
- II. Mix the components of phase B while stirring and heat up to 60°C.
- III. Add phase B to phase A and homogenize for 5 – 10 minutes until you have a smooth cream.
- IV. Cool down to 35°C and add phase C.

### SLI Chemicals GmbH

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