



IOI OLEOCHEMICAL



## FORMULA DATA

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| <b>Appearance:</b>     | White creams                                             |
| <b>pH:</b>             | 5.5 ± 0.2                                                |
| <b>Viscosity:</b>      | 65.000 mPas<br>(Sp T-C (93)/ 5 rpm)                      |
| <b>Stability test:</b> | Passed<br>(3 months @ 20 °C & 40 °C,<br>10 days @ 50 °C) |
| <b>Challenge test:</b> | Passed (Ph.Eur.5.01.03)                                  |



IOI OLEOCHEMICAL

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V1.1

# With... or without you

- Two O/W emulsions with 20 % oil phase
  - One formula with Cyclopentasiloxane (D5)
  - One formula with MIGLYOL® Coco 810
- MIGLYOL® Coco 810
  - Offers silicone-like touch
  - Answers demand for plant-based beauty
  - Is compliant with EU regulation 2024/1328

Turn the page to compare both formulas



# With...

# or without you

No.  
917/924

| PHASE | TRADE NAME                                   | INCI                         | 917 % | 924 % | FUNCTION                                              |
|-------|----------------------------------------------|------------------------------|-------|-------|-------------------------------------------------------|
| A     | IMWITOR® 372 P <sup>1</sup>                  | Glyceryl Stearate Citrate    | 3.0   | 3.0   | Robust & Reliable: Plant-Based Anionic O/W Emulsifier |
| A     | IMWITOR® 900 K <sup>1</sup>                  | Glyceryl Stearate            | 2.0   | 2.0   | Go-To Non-Ionic Co-Emulsifier                         |
| A     | Nafol® 1618 H <sup>2</sup>                   | Cetearyl Alcohol             | 1.0   | 1.0   | Consistency Agent                                     |
| A     | Xiameter PMX 0245 <sup>3</sup>               | Cyclopentasiloxane           | 10.0  | -     | Silicone                                              |
| A     | MIGLYOL® Coco 810 <sup>1</sup>               | Coco-Caprylate/Caprates      | -     | 10.0  | Dry Lightness, Premium Softness Emollient             |
| A     | WITARIX® MCT 60/40 <sup>1</sup>              | Caprylic/Capric Triglyceride | 10.0  | 10.0  | Base Emollient                                        |
| B     | Water demin.                                 | Aqua                         | 61.7  | 61.7  | Diluent                                               |
| B     | Glycerin 99.5                                | Glycerin                     | 5.0   | 5.0   | Humectant                                             |
| B     | Keltrol® CG-F V <sup>4</sup>                 | Xanthan Gum                  | 0.3   | 0.3   | Gelling Agent                                         |
| B     | Cosphaderm® Propanediol natural <sup>5</sup> | Propanediol                  | 4.0   | 4.0   | Alternative Preservative                              |
| B     | Cosphaderm® Pentiol natural <sup>5</sup>     | Pentylene Glycol             | 3.0   | 3.0   | Alternative Preservative                              |

Suppliers: <sup>1</sup>IOI Oleo, <sup>2</sup>Sasol, <sup>3</sup>Dow, <sup>4</sup>CP Kelco, <sup>5</sup>Cosphaderm

## PROCESS

Mix and heat phase A and B to 80 °C. Add phase A to phase B, homogenize (3 min @ 12.000 rpm). Stir and cool to 60 °C, homogenize (3 min @ 12.000 rpm). Cool to 30 °C. If necessary, adjust pH to pH 5.5.

# With...

(Cyclopentasiloxane (D5))

Natural  
Origin  
Content  
(ISO 16128)  
90%



# or without you

(MIGLYOL® Coco 810)

Natural  
Origin  
Content  
(ISO 16128)  
100%



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