# **Starting point formulation –** Pickering emulsion with perfume oil

Surfactant-free pickering emulsion – utilizing LAPONITE-EP

## Formulation

| Position | Component | Supplier | Function | Weight (g) |
|---|---|---|---|---|
| 1 | Demineralized water | | Solvent | 78.75 |
| 2 | Sodium chloride (NaCl) | Multiple | Electrolyte | 0.05 |
| 3 | LAPONITE-EP (100 %) | BYK | Emulsifier | 1.20 |
| 4 | Perfume oil Lemongreen EOH (100 %) | FREY & LAU | Perfume | 20.00 |
| **Total** | | | | **100.00** |

**Instructions**

- Mix water and sodium chloride with a homogenizer at 1500 rpm.
- Weigh the perfume oil and the LAPONITE-EP into seperate containers.

Turn off the homogenizer and carry out each of the following steps in immediate succession:

- Add the oil and the LAPONITE-EP.
- Stir the mixture for 10 min at 10,000 rpm.

Allow the formulation to cool and fill in the desired bottle.
The formulation is a low viscous fluid and develops a very soft thixotropic behavior within a few hours.

## Characteristic data / specification

| Data | Unit | Value |
|---|---|---|
| LAPONITE content | % | 1.20 |
| Perfume oil content | % | 20.00 |
| Ratio oil : LAPONITE | % | 100.00 : 6.00 |

**Further information / application**

- The oil emulsion is designed to be used as it is.

**Your local contact**

**BYK-Chemie GmbH**
Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

**info@byk.com**
**www.byk.com**