

## Starting Formulation, LD - 8510

Dec. 4<sup>th</sup> 2019  
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### End-Use Homecare

Lemon green - Perfume oil – Surfactant free Pickering Emulsion

Utilizing FREY&LAU Perfume oil and LAPONITE-EP

### Formulation

Pos.	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	FREY&LAU	Perfume	20.00
				100.00

### Instructions

- Weigh the required amount of water, set mixing on a homogenizer to approx. 1,500 rpm
- Add the sodium chloride to the water
- Weigh the perfume oil into a separate container or syringe and the LAPONITE-EP into a weighing boat

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 minutes at 10,000 rpm

Allow the formulation to cool and fill in the desired bottles. The formulation is a slight yellowish, low viscous fluid immediately after preparation and develops a very soft thixotropic behavior within a few hours.

### Characteristic Data/ Specification

<b>Data</b>	<b>Unit</b>	<b>Value</b>
LAPONITE content	%	1.2
Perfume oil content	%	20.0
Ratio Oil : LAPONITE		100 : 6.0

### Further information / Application

The oil emulsion is designed to be used as is.