

Emulsion with Lysofix™ Liquid & Olivem 1000

Formulation: KPC/ PD12013.26

Phases	Ingredients	% w/w
A	Water	71.50
A2	Carbomer 940	0.50
A3	Glycerin	3.00
	Lysofix™ Liquid - Glycerin (and) Glycine soja (Soybean) Seed Extract	2.00
B	Safflower oil	12.00
	Olive Oil	6.00
	Coco Caprylate	2.00
	Olivem 1000 - Cetearyl Olivatate (and) Sorbitan Olivatate	1.50
C	Sodium Hydroxide (33.33% Solution) to pH 5.5	0.50
D	Phenoxyethanol (and) Ethylhexyl glycerin ¹	1.00
		Total: 100

Bold denotes products available from Kemin.

²Euxyl PE 9010

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Manufacturing Process:

1. Weigh Phase A and adjust overhead mixer.
2. Weigh Phase A2 and sprinkle on to Phase A while stirring continuously.
3. After 30 minutes add A3, heat to 82°C.
4. Heat Phase C to 82°C.
5. Weigh and add Phase B to Phase A.
6. Switch blades to sweep mixing. Add Phase C to adjust pH to 5.5.
7. Add Phase D and let mix until cool and uniform.

Characteristics:

Appearance:	Smooth, uniform cream
Color:	Off white to white
Odor:	Fragrance-free
pH:	5.5±0.5
Viscosity:	10,000 to 15,000 cP
Centrifuge:	No separation at RT and 40°C

Emulsion Stability:

Results to date:

- Stable for 1 month at 45°C

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