EXOPACIF MPF

OPACIFIER

Microplastic free

/ EOC GROUP WORLDWIDE PARTNER FOR SUSTAINABLE CHEMISTRY

EOC Group is a family-owned producer of chemical products with headquarters located in Belgium. Our product portfolio extends from compounds and latices to emulsions, surfactants, adhesives, technical textile chemicals, thermoplastic elastomers and polyurethanes. With a focus on sustainable entrepreneurship, we aim to produce high-quality products providing excellent service to our customers.

13 production sites | 700 people | worldwide supplier

/ OUR STRENGHTS

- Standardized products or tailor-made solutions. We like to think along with your developments. Products can be changed, and enhanced up to your needs.
- Transparent communication
- Reliable distribution: inhouse logistic fleet etc.
- Extensive technical support: our technical team is at your service for any type of question regarding your product, formulation and regulatory related enquiries.

/ BECAUSE WE CARE

We are committed to the 17 UN Sustainable Development Goals. Our R&D experts strive to search for sustainable raw materials and processes to offer alternatives to our customers. EOC continuously improves its sustainable processing by e.g.; heat recovery to induce electricity, windmill at Belgian production sites, re-use water project in production process, solar park, …

ecovadis

We are a member of RSPO

License number 2-0349-12-100-00

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/ EXOPACIF MPF , ENVIRONMENTALLY FRIENDLY OPACIFIER

Exopacif MPF is a **biodegradable and high performance** opacifier that can be used in a wide variety of personal care rinse-off formulations such as shampoos, bath and shower products, liquid soaps, …

Exopacif MPF is not only an environmentally friendly alternative for the synthetic styrene/acrylates based opacifier but it also ensures stable creamy white formulations to meet consumers expectations.

INCI description

Glycol Distearate (and) Sodium Laureth Sulfate (and) Cocamidopropyl Betaine
Preservative: Sodium Benzoate

/ BECAUSE WE CARE

EOC continuously improves its environmental and health profile whilst providing high performance products.

- No microplastics
- Biodegradable ingredients
- Natural origin content: 93% (ref. ISO 16128)
- Renewable carbon content: 83%

/ KEY FEATURES

- Easy formulating
- Effective at low dosage level
- Stable formulations
- Creamy white appearance
- Ingredients of natural origin

/ APPLICATIONS

- Shampoos
- Bath & shower products
- Liquid soaps
- Facial cleansers
- Other rinse-off personal care formulations

/ USE INDICATIONS

- Dosage level: 0.5-3.0%
- Cold processable
- No need for pre-dilution
- Minimum required formulation viscosity: ca. 4000 mPa.s

/ OPACIFYING PERFORMANCE

Whiteness at different dosage levels

The opacifying performance is evaluated in a hand soap formulation.

Formulation ref. 18071-22A (Mild milky hand soap) has been prepared with different dosage levels of Exopacif MPF: 0.5%-1.0%-2.0%-3.0%.

Results

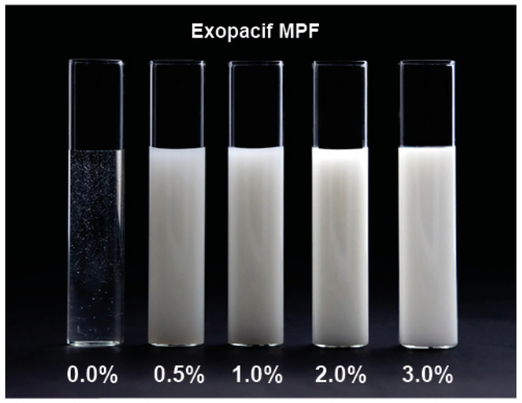
- Excellent opacifying performance
- Creamy white formulations
- Effective at a low dosage level

Comparison with polymer based opacifier

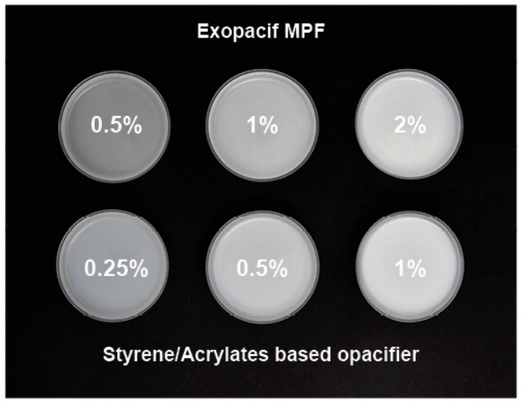
Exopacif MPF vs. Styrene/Acrylates based opacifier*

	Exopacif MPF	Styrene/Acrylates based opacifier*
High performance	✓	✓
No pre-dilution	✓	-
Biodegradable	✓	-
Natural origin	✓	-
Renewable carbon	✓	-

* Europacif 2155 Ultra



Whiteness of Exopacif MPF in formulation at different dosage levels.



Comparison Exopacif MPF with polymer based opacifier.

/ GUIDE FORMULATIONS

Mild Milky Hand Soap - Ref. 18071-22A

Ingredient	INCI Description	% W/W
Water	Aqua	61.8
LES28	Sodium Laureth Sulfate	24.0
Euroquat HC47 VG	Cocamidopropyl Betaine	6.2
Euroglyc AMS	Sodium Cocoamphoacetate	5.0
Glycerin	Glycerin	2.0
Lactic acid	Lactic Acid	Qs to pH 6.0
Exopacif MPF	Glycol Distearate (and) Sodium Laureth Sulfate (and) Cocamidopropyl Betaine	1.0
Preservative	-	Qs
Sodium chloride	Sodium Chloride	Qs to 4000 mPa.s

Nourishing Shower Cream - Ref. 18071- 22B

Ingredient	INCI Description	% W/W
Water	Aqua	48.3
LES28	Sodium Laureth Sulfate	26.8
Glycerin	Glycerin	6.2
Euroquat CB	Coco-Betaine	5.0
PEG-7-Glyceryl Cocoate	PEG-7-Glyceryl Cocoate	2.0
Exopacif MPF	Glycol Distearate (and) Sodium Laureth Sulfate (and) Cocamidopropyl Betaine	1.0
Lactic acid	Lactic Acid	Qs to pH 5.5
Preservative	-	Qs
Sodium chloride	Sodium Chloride	Qs to 5500 mPa.s