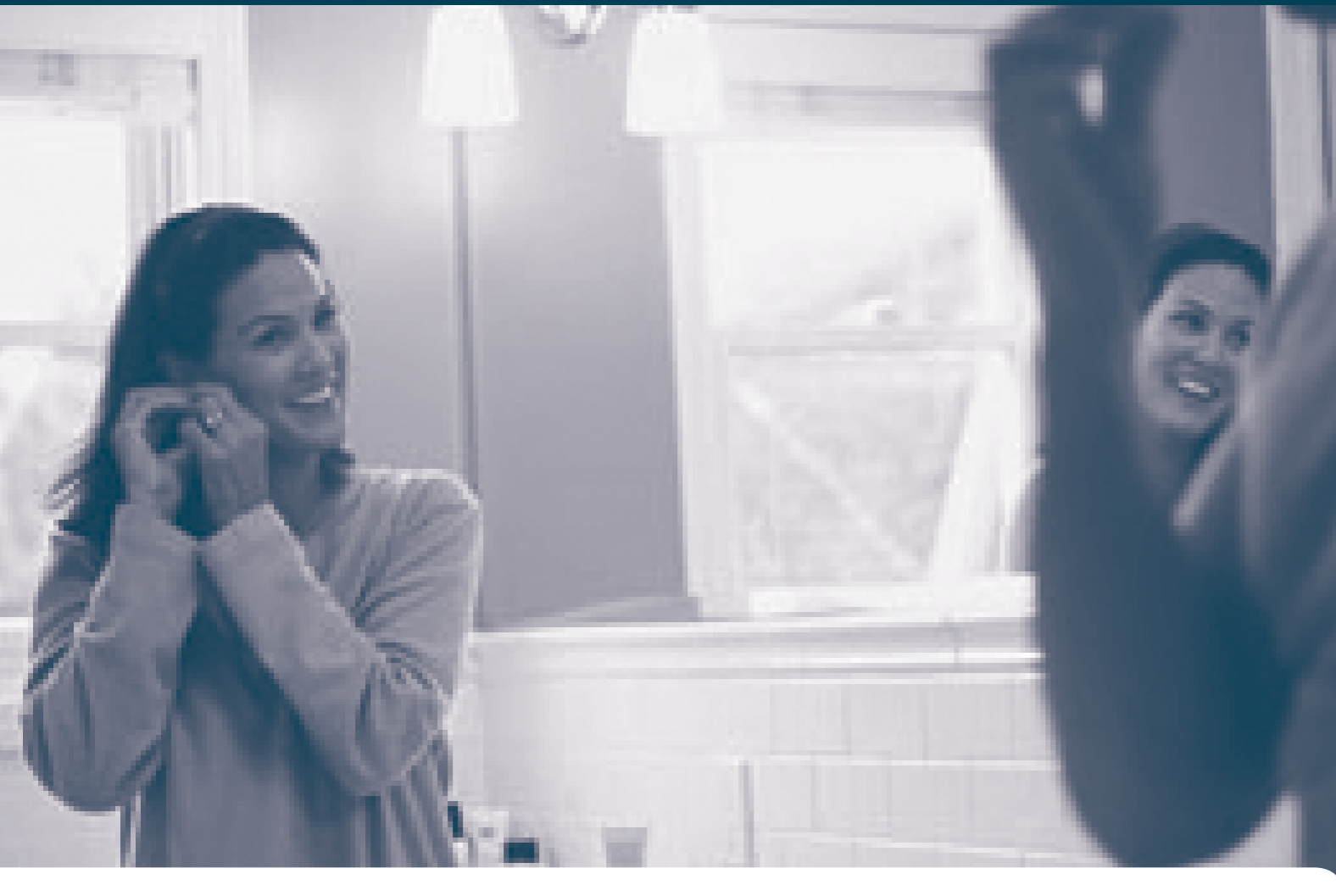


Surfactants



EOC Group





EOC Surfactants has more than 30 years of experience in the production of high quality surface-active agents. Since 1990 the division has been focusing on supply of mild surfactants to the cosmetic and detergent industry. Thanks to the high and constant level of quality of the products and the reputable service, EOC Surfactants has enjoyed a spectacular growth resulting in several European production sites coordinated from the headquarters in Oudenaarde, Belgium. Today, the division's main activity is the production of mild high quality surface-active agents for foaming personal care products and liquid household formulations. Most of these ingredients are also used in various industrial applications. EOC Surfactants also offers a range of additives enhancing the visual, physical or sensorial properties of detergent and personal care products.

Amphoteric surfactants



EUROQUAT, BETAINE SURFACTANTS, are high purity amphoteric products with following benefits:

- Good detergency
- Foaming properties and foam stabilization
- Hard water compatibility
- Mild
- Reduction of irritation of anionic surfactants to skin and eyes
- Viscosity builder for anionic surfactants solutions
- Conditioning effect
- Compatible with anionic, nonionic and cationic surfactants
- Applicable in a wide pH range
- Excellent biodegradability

The EUROQUAT series are several types of betaine surfactants:

- Cocamidopropyl Betaine
- Fractionated Cocamidopropyl Betaine
- Concentrated Cocamidopropyl Betaine
- Lauryl Betaine
- Coco-Betaine

Formulators often choose for the liquid and preservative free, concentrated EUROQUAT giving them more development flexibility.

The mild amphoteric surfactants EUROQUAT are frequently used as secondary surfactant in skin and hair cleansing products like shampoos, shower gels, foam baths and liquid soaps, but also more and more in liquid detergent applications like dish washing liquids, all-purpose cleaners and car cleaners.



EUROGLYC, AMPHOACETATE SURFACTANTS, are high purity amphoteric products with following benefits:

- Good detergency
- Foaming properties and foam stabilization
- Hard water compatibility
- Very mild
- Reduction of irritation of anionic surfactants to skin and eyes
- Viscosity builder for anionic surfactants solutions
- Improved deposition of cationic actives
- Compatible with anionic, nonionic and cationic surfactants
- Applicable in a wide pH range
- Good biodegradability
- Preservative free

The EUROGLYC range includes:

- Disodium Cocoamphodiacetate
- Sodium Cocoamphoacetate

The very mild EUROGLYC find their application in foaming personal care products for sensitive skin or daily use like mild caring shampoos, baby and children cleansing formulations, shower and bath gels, body and facial washes and shaving foam but also in skin care products like cleansing milks or eye-make up removers.

Nonionic surfactants



EUR-AMID, ALKANOLAMIDE SURFACTANTS, are well known high purity nonionic products with following properties:

- Foam booster
- Foam stabilizer
- Thickening agent
- Solubilizer for oils and fragrances
- Refatting agent

The EUR-AMID range consists of:

- Cocamide DEA
- Cocamide MEA
- Liquid DEA- and MEA-free Cocamide DEA replacer
- Soyamide DEA

EUR-AMID products are not only used in shampoos, bubble baths, shower gels, liquid soaps but also in dishwashing liquids, deodorizing blocks, car cleaners, wool washes and fine laundry detergents.



EUROXIDE, AMINOXIDE SURFACTANTS, are versatile products with following benefits:

- Foaming agent
- Foam stabilizer
- Viscosity build-up
- Anti-static agent
- Mild conditioning agent
- Broad acid and alkaline stability

The EUROXIDE range includes:

- Cocamidopropylamine Oxide
- Cocamine Oxide
- Decylamine Oxide
- Lauramine Oxide
- Myristamine Oxide

EUROXIDE are mainly used in chlorine bleaches, toilet cleaners, dishwashing liquids, car cleaners and cleaners for the dairy industry but can also find their application in body washes, facial washes, bubble baths, shampoos and permanent wave neutralizers.

Anionic surfactants



EURANAAT, MONO-ESTER SULFOSUCCINATE SURFACTANTS, are extremely mild anionic surfactants with following properties:

- Good cleansing
- Extremely mild to skin and eyes
- Reduction of irritation of primary anionic surfactants
- Viscosity reducer
- Compatible with anionic, nonionic and amphoteric surfactants

The EURANAAT range consists of:

- Monoalkyl sulfosuccinate
- Amido-functional sulfosuccinates

EURANAAT are especially used in foaming personal care products like ultra mild shampoos, shower gels, foam baths and liquid soaps but also in some home care applications like dishwashing liquids or wool washes.



EUROWET, DI-ESTER SULFOSUCCINATE SURFACTANTS, have following main characteristics:

- Poor foaming properties
- Wetting agent
- Dispersing agent

The EUROWET range:

- Diethylhexyl Sodium Sulfosuccinate
- Dicyclohexyl Sodium Sulfosuccinate
- Dihexyl Sodium Sulfosuccinate
- Diisobutyl Sodium Sulfosuccinate

EUROWET find their application in emulsion polymerization, agricultural chemicals, textile auxiliaries, drilling and oil products and household detergents like window cleaners.

EURAMAAT is a mono-alkyl sulfosuccinamate surfactant mainly used as foaming agent and latex stabilizer in compounds for the carpet industry.

EURASOL are a series of liquid soaps used as foaming agent and latex stabilizer in compounds for the carpet industry. EURASOL also have important applications in the detergent industry such as heavy duty liquid detergents, liquid hand soaps and floor cleaners.

Special additives



EURONAC, PEARLIZING AGENTS, are optimized fluid additives with following benefits:

- High optical quality
- Cold processable
- Easy to handle

The EURONAC range consists of:

- Anionic pearling agents
- Versatile amphoteric pearling agent

EURONAC are used to prepare highly pearlescent foaming personal care and household products.

EUROPACIF, OPACIFIERS, are water based styrene/acrylic emulsions with following characteristics:

- Effective at very low dosage level
- Dense opacity
- Easy to use

The EUROPACIF series comprises following product types:

- Sodium Styrene/Acrylates Copolymer
- Styrene/Acrylates Copolymer

EUROPACIF are used to impart an opaque or milky appearance to foaming personal care and household products.



LIPOFLOR is an optimized nonionic solubilizer showing following benefits:

- Liquid
- Applicable in wide pH range
- Problem solver

LIPOFLOR finds its application in various clear detergent and personal care products.

PROTAFLO are naturally-derived multifunctional conditioners for easy creation of high level hair and skin care products that show following advantages:

- Addition of only one active material
- Selection and optimal combination of ingredients has been done for you
- Proved efficacy of the products through intensive salon testing
- Compatible with anionic surfactants
- No negative influence on the foam of formulations
- Low viscous liquids
- Incorporation at room temperature
- Very easy to use

All PROTAFLO consist at least of conditioning, moisturizing and anti-static agents. Additional components have been chosen to answer current market trends and customers' needs. Initially the range was developed for hair care applications but some of the products may also be used in toiletries and skin care products.



This product guide gives a short introduction to our product portfolio. Our website illustrates more in detail EOC Surfactants' products and activities. Visit us at www.eocgroup.com. Product samples and further information like datasheets and material safety data sheets can be obtained via our network of distributors and/or sales representatives.

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