

Natural  
Vegetable  
Functional

The Lipid Expert!

Lipex<sup>®</sup> 102 E75  
Lipex<sup>®</sup> 203 E70

- Water dispersable vegetable oil
- Mild non-ionic surfactant
- Conditioning and moisturising for hair and body care
- Improves viscosity of shampoos, shower gels, facial wash-off products

#### Product name

1. Lipex<sup>®</sup> 102 E75
2. Lipex<sup>®</sup> 203 E70

#### INCI name

1. PEG-75 Shea Butter Glycerides
2. PEG-70 Mango Glycerides

#### Physical form/Consistency at 20 °C

1. Ethoxylated mono/diglycerides of shea butter
2. Ethoxylated mono/diglycerides of mango kernel oil  
Solid. HLB=16-18

#### Regulatory Status

CTFA

#### Recommended use levels

1-3 %

#### Packaging

Drum 200 kg, Pail 20 kg

#### Product Data Sheet/Article number

1. 8502
2. 8506

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#### Functionality and benefits

Lipex<sup>®</sup> 102 E75 and Lipex<sup>®</sup> 203 E70 are water dispersible non-ionic surfactants derived from shea butter and mango kernel oil. Both product can be used in transparent surfactant based products: face wash gels, shower gels and shampoos. Both products decrease effectively the risk of irritation by basic surfactants used in the formulations, making them milder.

Both products improve hair softness and manageability when used in shampoos and conditioners. The foam structure is improved in terms of stability and creaminess. Due to fact that both ethoxylated Lipex<sup>®</sup> products are complex mixtures of ethoxylated glycerides, they increase final product viscosity allowing to decrease the content of thickeners, including sodium chloride.

Lipex<sup>®</sup> 102 E75 and Lipex<sup>®</sup> 203 E70 can play the role of solubilisers of essential oils and perfumes in skin care emulsion products and water based cosmetics. As mild surfactants, they can assist in face cleansing.

#### Applications

- co-conditioning agents in shampoos, face wash-off and shower gels
- irritation reducing ingredients in wash-off products for delicate skin including baby products
- water based cleansers, also transparent, like face lotions, toners
- styling products like moulding pastes, hair gels, hair sprays etc
- crystal clear body care products – body and face gels based on carbomers, acrylates etc.
- nature based solubilisers of essential oils and perfumes for all types of skin care products