

## A PEG-free natural non-ionic emulsifier for lipophilic cleansing products

**Einar® 4611** is a lipophilic non-ionic emulsifier that delivers superior cleansing performance with a gentle sensory profile. In cleansing oils, balms and bi-phase make-up removers, it promotes rapid self emulsification upon contact with water, transforming the oil phase into fine stable oil-in-water emulsion droplets that effectively lift long-wear foundations, high-resistance sunscreens and waterproof pigments from the skin. As co-emulsifier it creates low viscous O/W emulsion with enhanced interfacial stability.

### PRODUCT NAME

Einar® 4611

### INCI

Polyglyceryl-2 Oleate

### FUNCTIONS

Emulsifier

Emollient

Cleansing

### USAGE RANGE

1 – 5%

### APPLICATIONS

Face care

Body care

Eye care

Neck care

Baby care

Face cleansers

Color cosmetics

Sun care

Lip care

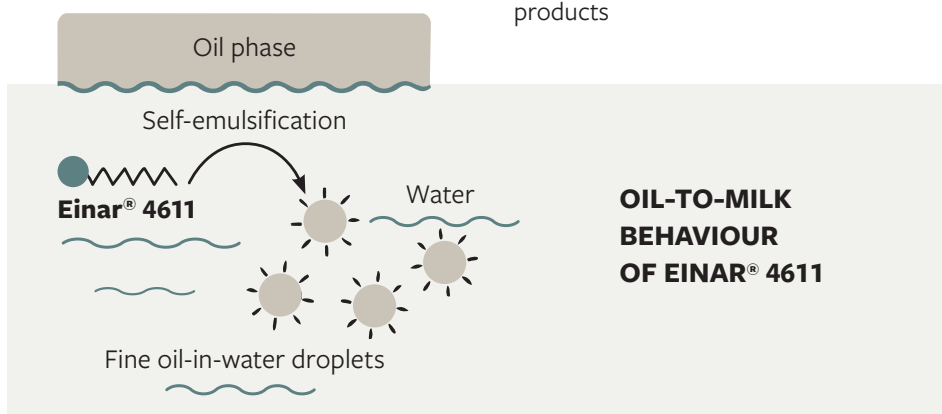
Hair care

### KEY FEATURES

- ✓ HLB: 7
- ✓ Non-ionic
- ✓ 100% naturally derived (NOI: 1)
- ✓ Melting point: <15°C
- ✓ Soft paste
- ✓ Kosher/Halal certified
- ✓ Good eye and skin-compatibility
- ✓ Non-GMO\*

### KEY BENEFITS

- ✓ Smooth, non-greasy and cushiony skin feel
- ✓ Stable low viscous O/W emulsion
- ✓ Exhibit oil-to-milk cleansing behaviour
- ✓ Excellent for low viscous and high viscous products
- ✓ Suitable for hot and cold emulsification process
- ✓ Stable over broad pH range (3-11)
- ✓ Compatible with various emulsifiers, oils, natural and synthetic gums
- ✓ Suitable for all-natural and vegan products



Einar® products are crafted from food-grade vegetable oils sourced from sunflower, rapeseed, coconut, castor, and RSPO-certified palm and made with a deep focus on responsible resource consumption, our commitment to sustainability shines. Our products are produced without (use of) ethoxylates, preservatives and GMO ingredients. With innovation, knowledge, and ethical practices, we deliver reliable, high-quality solutions for personal care formulators. Committed to the UN Global Compact's principles, we stand as a responsible partner, providing support and solutions for your future endeavours.

\* In accordance with Regulation (EC) 1829/2003

Learn more about our additives for personal care at [www.palsgaard.com](http://www.palsgaard.com)

**Palsgaard®**