

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

**Einar® 4221** is a multi-functional lipophilic non-ionic emulsifier that can thicken surfactant-based cleansing systems improving their texture and mildness without significantly altering their foaming performance. As a mild antimicrobial agent, it improves the preservative efficacy in the product and reduces odor-causing bacteria on the skin when applied, making it ideal for deodorants. As a co-emulsifier in O/W emulsion, it enhances texture, glide and sensory performance thereby improving softness and spreadability.

## PRODUCT NAME

Einar® 4221

## INCI

Glyceryl Laurate

## FUNCTIONS

Emulsifier

Emollient

Thickener

Preservative booster

Sensory enhancer

## USAGE RANGE

0.5 – 4.5%

## APPLICATIONS

Body wash

Face cleanser

Shampoo

Color cosmetics

Face care

Body care

Neck care

Deodorants

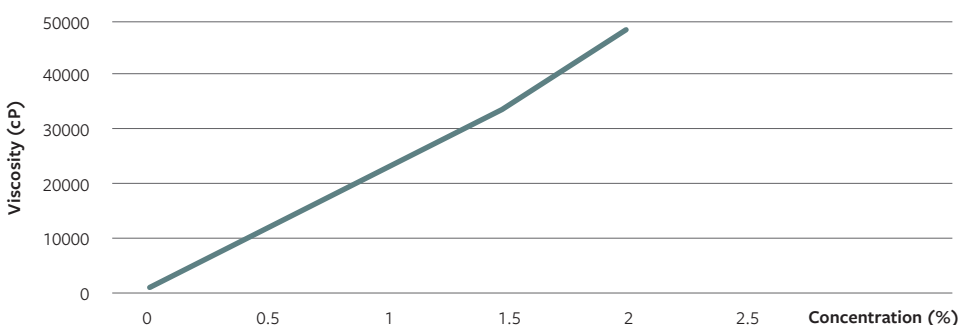
## KEY FEATURES

- ✓ HLB: 6
- ✓ Non-ionic
- ✓ 100% naturally derived (NOI: 1)
- ✓ Melting point: 60°C
- ✓ White pellet
- ✓ Kosher/Halal certified
- ✓ COSMOS approved
- ✓ Good eye and skin-compatibility
- ✓ Non-GMO\*

## KEY BENEFITS

- ✓ Smooth, light and non-greasy skin feel
- ✓ Moderate foam and balanced skin feel
- ✓ Well-suited to transparent cleansing formulation
- ✓ Mild preservative
- ✓ Exhibits broad formulation versatility and multi-system compatibility
- ✓ Stable over a broad pH range (3-11)
- ✓ Compatible with a wide range of surfactants, oils, natural and synthetic gums
- ✓ Suitable for all-natural and vegan products

## THICKENING EFFECT OF EINAR® 4221 IN A MODEL SLES/CAPB CLEANSING SYSTEM



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