

A PEG-free natural non-ionic emulsifier for sensory and structural enhancement

Einar® 4228 is a lipophilic non-ionic emulsifier that offers exceptional viscosity-modifying performance, providing significant viscosity build at concentrations as low as 0.5-1% without imparting heaviness. As co-emulsifier in O/W emulsions, it improves spreadability and provides a smooth, velvety afterfeel, making it ideal for lightweight skincare formulation. In stick formulations, it improves glide performance and reinforces structural network, preventing fractures, surface friability and texture irregularities.

PRODUCT NAME

Einar® 4228

INCI

Glyceryl Behenate

FUNCTIONS

Emulsifier
Emollient
Thickener
Texture enhancer

USAGE RANGE

0.2 – 2.5%

APPLICATIONS

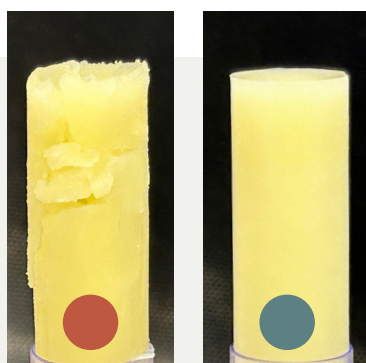
Sticks
Face care
Lip care
Neck care
Color cosmetics
Sun care
Body care
Eye care
Baby care
Cleansers

KEY FEATURES

- ✓ HLB: 3
- ✓ Non-ionic
- ✓ Non-palm
- ✓ 100% naturally derived (NOI: 1)
- ✓ Melting point: 80°C
- ✓ Off-white powder
- ✓ Kosher/Halal certified
- ✓ Good eye and skin-compatibility
- ✓ Non-GMO*

KEY BENEFITS

- ✓ Smooth, light and non-greasy skin feel in O/W creams
- ✓ Exhibits broad formulation versatility and multi-system compatibility
- ✓ Excellent for high viscous products
- ✓ Improves formulation stability in emulsions and structural integrity in anhydrous products.
- ✓ Suitable for hot emulsification process
- ✓ Stable over a broad pH range (3-11)
- ✓ Compatible with wide range of emulsifiers, oils, natural and synthetic gums
- ✓ Suitable for all-natural and vegan products



EFFECTIVE STRUCTURAL INTEGRITY IMPROVEMENT USING 1% EINAR® 4228 IN STICK FORMULATION

- Without Einar® 4228
- With Einar® 4228

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