

EINAR® PLANT-BASED PERSONAL CARE INGREDIENTS

A PEG-free natural anionic emulsifier for texture enhancement

Einar® 4927 is a versatile anionic O/W emulsifier, employed widely in cosmetics and personal care products creating stable emulsions. It elevates the sensory characteristics of products by imparting unique texture and skinfeel.

PRODUCT NAME

Einar® 4927

INCI

Glyceryl Stearate Citrate

FUNCTIONS

Emulsifier

Emollient

Texturizer

USAGE RANGE

0.5 – 4%

APPLICATIONS

Lotion

Serum

Cream

Crème cleanser

Cleansing milk

Face care

Body care

Eye care

Sun care

Deodorants

Baby care

KEY FEATURES

- HLB: 10-12
- Anionic
- Non-palm
- 100% naturally derived (NOI: 1)
- Melting point: 60°C
- Off-white powder
- Kosher/Halal certified
- Good eye and skin-compatibility
- Non-GMO*

KEY BENEFITS

- Light, non-sticky & pleasant skin feel
- Stable emulsions with ability to withstand temperature changes
- Gentle cleansing effect
- Compatible with various emulsifiers, oils, natural and synthetic gums
- Can be added to both water and oil phase
- Suitable for pH range of 4-8
- Suitable for all-natural and vegan products

Processing

It is suggested to add **Einar® 4927** to the water phase. We recommend heating oil phase and water phase separately to approx. 80°C. Consequently we recommend adding **Einar® 4927** to the hot water phase while stirring. Furthermore we recommend adding the hot oil phase to the hot water phase while stirring and proceed to homogenization.

Alternatively, **Einar® 4927** can be added to the hot oil phase. Thereafter we recommend adding the hot oil phase to the hot water phase while stirring. The coarsely dispersed pre-emulsion is then homogenized.

During cooling, a constant horizontal and vertical movement of the emulsion has to be ensured. The viscosity of the liquid emulsion increases to a creamy consistency, as **Einar® 4927** solidifies. After the addition of heat sensitive ingredients and pH adjustment, continue stirring until the emulsion cools down to 30 – 35°C.

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**

Palsgaard®