

A PEG-free natural solubilizer for crystal clear products

Einar® 4662 is an excellent natural alternative to commonly used PEG-based solubilizers. It can incorporate more than 60 different essential oils & perfumes and yield highly stable, crystal clear aqueous formulations without any addition of alcohol. It generates dense and stable foam, making it a great choice for mild cleanser products. It also achieves low viscous o/w emulsions.

PRODUCT NAME

Einar® 4662

INCI

Polyglyceryl-10 Laurate

FUNCTIONS

Solubilizer

Co-surfactant

Co-emulsifier

USAGE RANGE

1:2 – 1:10 (target oil: solubilizer)

0.5 – 10%

APPLICATIONS

Mist

Toner

Essence

Gel

Makeup remover

Alcohol free body mist/splash

Face/hand/body wash

Sheet mask

Shampoo

Body scrub

Cleansing balm

Wet wipes

Sprayable lotion

Roll-on/deo formulation

Baby care products

KEY FEATURES

- ✓ HLB: 17
- ✓ Non-ionic
- ✓ Non-palm
- ✓ 100% naturally derived (NOI: 1)
- ✓ Melting point < 15°C
- ✓ Viscous liquid at room temperature
- ✓ Antimicrobial
- ✓ Kosher/Halal certified
- ✓ Good eye and skin-compatibility
- ✓ Non-GMO*

KEY BENEFITS

- ✓ Non-sticky & pleasant skin feel
- ✓ Transparency unaffected by temperature changes
- ✓ Gentle makeup removal and cleansing properties
- ✓ Suitable for both hot and cold emulsification process
- ✓ Suitable for broad pH range (3-11)
- ✓ Compatible with various surfactants, polyols, natural and synthetic gums
- ✓ Suitable for all-natural and vegan products

Processing: As solubilizer

1. Premix **Einar® 4662** with 2 parts of water and stir until homogenous clear solution is obtained.
2. Add essential oils/fragrance and other lipophilic substances to be solubilized at room temperature and stir until clear homogenous solution is obtained.
3. Add the premix containing **Einar® 4662** and lipophilic agents slowly to the water (aqueous phase containing hydrophilic substances) under stirring.
4. Adjust pH if necessary.

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.

Learn more about our additives for personal care at www.palsgaard.com

Palsgaard®