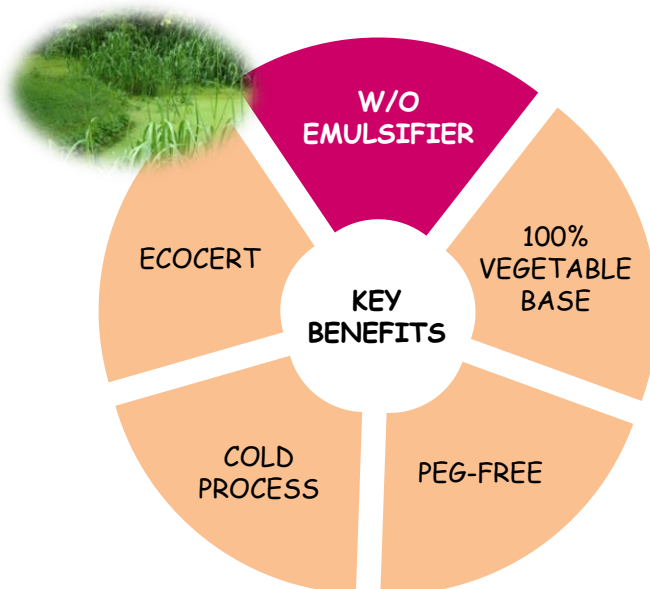


COMPOSITION
INCI Name
Polyglyceryl-3 diisostearate
Polyglyceryl-3 polyricinoeate



## Chemical and physical properties

- Versatile non-ionic emulsifiers blend (polyglyceryl esters)
- Haze liquid which turns clear when heated
- Colorless to golden
- Characteristic odor
- Insoluble in water

## Formulation

- **Polar and non polar oils:** compatible
- **UV filters:** compatible
- **Pigments:** compatible
- **Treated pigments:** compatible with all DAITO's treatments

## Cosmetic benefits

- Provides a light silky-smooth and non-greasy feel on skin
- Emulsions based on MAKIBASE SEB show superior emolliency
- Formulations with excellent spreading properties for a soft and pleasant skin feel

## Use guideline

- Incorporate it into the oil phase
  - Allows the formulation of products with high water content (up to 75 %)
  - Wide range of consistencies from low viscous W/O lotion to thick W/O cream
  - Suitable for cold process (ideal for use with heat-sensitive active ingredients, time and energy saving)
  - W/O emulsions exhibit good heat stability
  - Alternative for polysorbates, PEG esters and linear alcohol ethoxylates
  - Use level: 0,1-20%
- Sprayables/Lotions: 0,1-3%
- Creams: 3-20%

## Applications

### LOTIONS

DKE 103 Natural W/O milk  
DKE 108 Natural sun screen spray

### CREAMS

DKE 94 WO silicon free BB CREAM-ASL

### MAKE-UP

DKE 175B Moist fresh fluid foundation-ASL  
DKE 221 Liquid foundation W-Si-LTS-Cyclo free

## Safety and regulatory information

**Product safety:** These polyglycerol esters of fatty acids are considered non toxic by a single oral dose (LD50> 5000mg/Kg) and non mutagenic. Polyglyceryl-3 diisostearate produces mild skin and ocular irritation. A Human patch test does not demonstrate skin irritation for Polyglyceryl-3 polyricinoleate.

**Material Safety Data Sheets** are available for all DAITO KASEI products.

**REACH registration:** All the ingredients, unless they are exempted, will be registered on May 2018.

The ingredients are listed on major chemical inventories such CTFA, CosIng, DSL, AICS, KCID, IECIC2003 and/or IECIC2014.

## For additional information

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