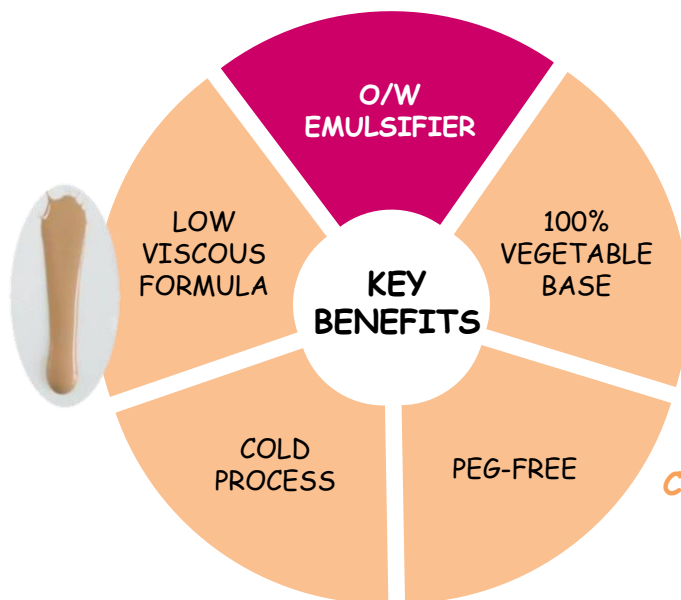


COMPOSITION
INCI Name
Polyglyceryl-4 caprate
Polyglyceryl-3 polyricinoleate
Polyglyceryl-3 diisostearate



## Use guideline

- Incorporate it into the water phase
- Efficient at low concentration
- Can make low viscous and stable O/W emulsions
- Suitable for sprayable fluid formulations
- Cold processable: ideal for heat-sensitive active ingredients
- Easy to handle
- Allows the formulation of products with high oil content (up to 80% of Makigreen rice oil)
- Use level: 0,1-10%

## Cosmetic benefits

- Provides a pleasant light skin feel
- Allows the formulation of rinse-off oil make-up remover which is gentle for the skin and rinse off easily with no oily feel

## Chemical and physical properties

- Mixture of nonionic surfactants
- Yellowish liquid
- Characteristic odor
- HLB = 11,5 approx

## Formulation

- **pH:** stable over a pH range of 5,5 to 10,0
- **Electrolytes:** compatible with NaCl and  $MgSO_4 \cdot 7H_2O$
- **Oils:** compatible with vegetable and mineral oils, silicone and esters
- **UV filters:** compatible
- **Pigments:** compatible
- **Treated pigments:** compatible with all DAITO's treatments
- **Thickeners:** compatible with carbomers, xanthan gums, acrylic biopolymers and cellulose derivatives

## Applications

### SKIN CARE

DKE 258 Skincare in emulsion gel SPF15  
DKE 259 Moisturizing and nourishing emulsion gel- sprayable

### SUN CARE

DKE 261 Suncare gel - Sprayable

### MAKE-UP REMOVER

DKE 269 Jelly oil make-up remover scrub

## Safety and regulatory information

**Product safety:** Polyglyceryl-3 polyricinoleate and polyglyceryl-3 diisostearate are considered non toxic by a single oral dose (LD50> 5000mg/Kg) and non mutagenic. These polyglycerol esters of fatty acids are non sensitizing to the skin. Polyglyceryl-4 caprate is non irritating to the eyes. Polyglyceryl-3 diisostearate produces mild skin and ocular irritation.

**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 cosmetic inventories such CTFA, KCID, IECIC2003 and/or IECIC2014.

## For additional information

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