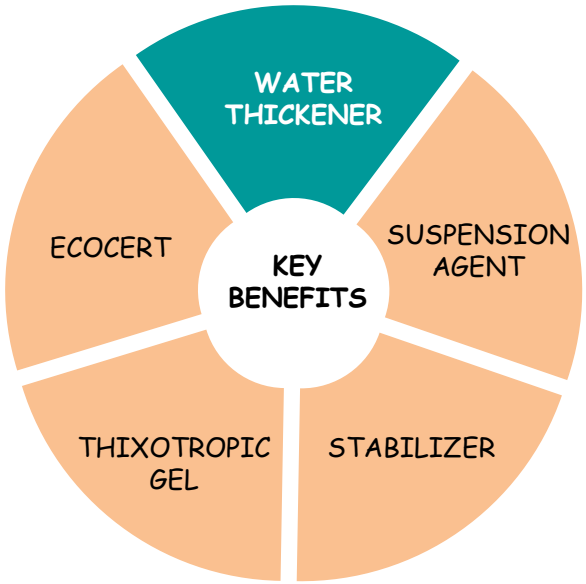
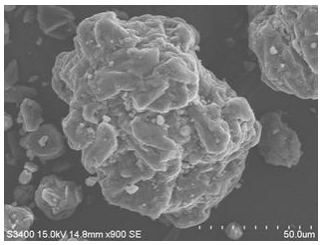
MOISPRAY C

Formulation Concept

COMPOSITION
INCI Name
Microcrystalline cellulose
Cellulose gum





Chemical and physical properties

- Synergetic association of cellulose microcrystalline and cellulose gum
- White powder
- Swells in water
- Mean particle size: 50µm

Formulation

- **pH:** stable over a pH range of 4 to 8
- **Heat:** stable
- **Salts:** compatible
- **Alcohols:** up to 15%
- **Surfactants:** compatible with anionic and nonionic
- **Pigments:** compatible
- **Treated pigments:** compatible with all DAITO's treatments
- **Thickeners:** compatible with synthetic (carbomers or polyacrylates) and natural (xanthan gums and cellulose derivatives)
- **Film formers:** compatible with acrylic derivatives
- **Beads:** compatible with MAKIBEADS, CELLULOBEADS

Use guideline

- Yields opaque thixotropic gel
- Cold processable
- MOISPRAY C should be dispersed in water before the addition of other ingredients. MOISPRAY C has a tendency to agglomerate or lump when added to water. Several dispersion techniques can be used:
  1. Add carefully the powder to the vortex of vigorously agitated water
  2. Predisperse in polyols prior to addition to water (Rayneri @1000rpm for 10min)
  3. Dry-blend with other non polymeric material prior to the addition to water
- Stabilizes O/W emulsions by preventing coalescence
- Allows to reduce the amount of oil
- Helps reducing the surfactant content
- Stabilizes and suspends pearls, glitters and beads
- Suitable for aerosols and pump sprays
- Use level: 0,1-4%

Cosmetic benefits

- Promotes partial substitution of oil to give stable lighter textures
- Minimizes the use of surfactants which can be irritant
- In cream, imparts good spreadability, easier application

Applications

HAIR PRODUCTS
DKE 238 Pearly fixative spray for hair

FOUNDATION
DKE 195 Foundation emulsion gel spray - MST DKE 196 Natural foundation emulsion gel spray-ASL

SKIN CARE
DKE 200 Skin care in mousse form

Safety and regulatory information

Product safety:. The safety of cellulose derivatives (including cellulose gum) has been evaluated by the CIR Expert panel. They concluded that these ingredients are safe as cosmetic ingredients. The available safety test data demonstrated that cellulose gum was non irritating to slightly irritating to the eyes and the skin. Cellulose microcrystalline has be found non irritating to the eyes and the skin.
No evidence of mutagenicity or reprotoxicity has be found for cellulose microcrystalline and cellulose gum.

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

REACH: Cellulose microcrystalline and celluose gum are exempted from registration.

Cellulose microcrystalline and cellulose gum are listed on major chemical inventories such CTFA, TSCA, AICS, DSL, AICS, KECL, KCID, IECIC2003 and/or IECIC2014.

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