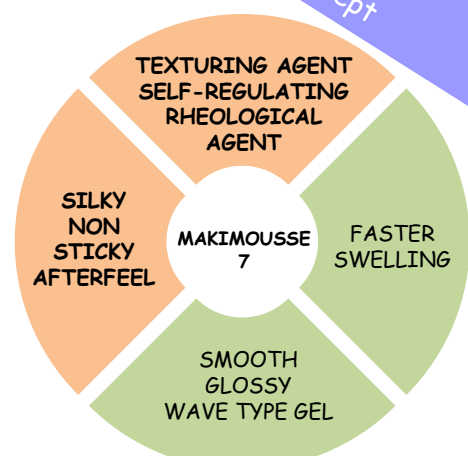
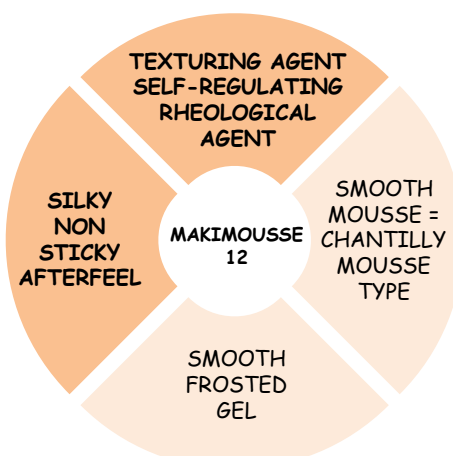
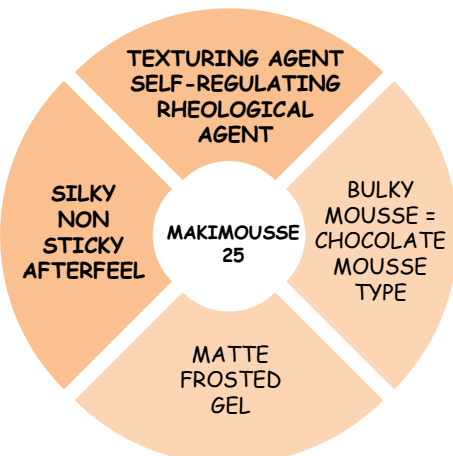


COMPOSITION	
INCI Name	SODIUM POLYACRYLATE STARCH



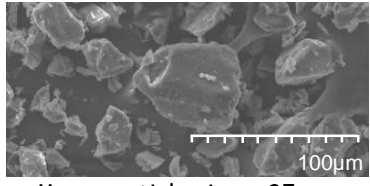
1% gels were prepared by different methods (swelling, by hand, with a mixer): Low shear achieves frosted aspect, high shear reduces frosted aspect with immediate ultimate volume

Influence of shear on the gel formation: aspect and spreadability

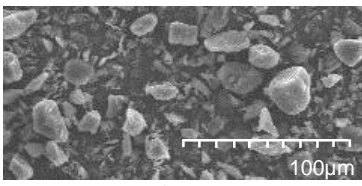
0,5% gels were poured into a mould. The aspect was observed 5 minutes after demoulding:



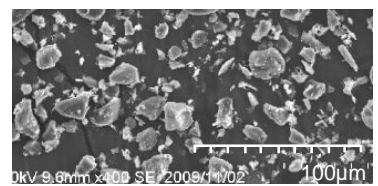
Particle size



Mean particle size = 25 µm



Mean particle size = 12 µm

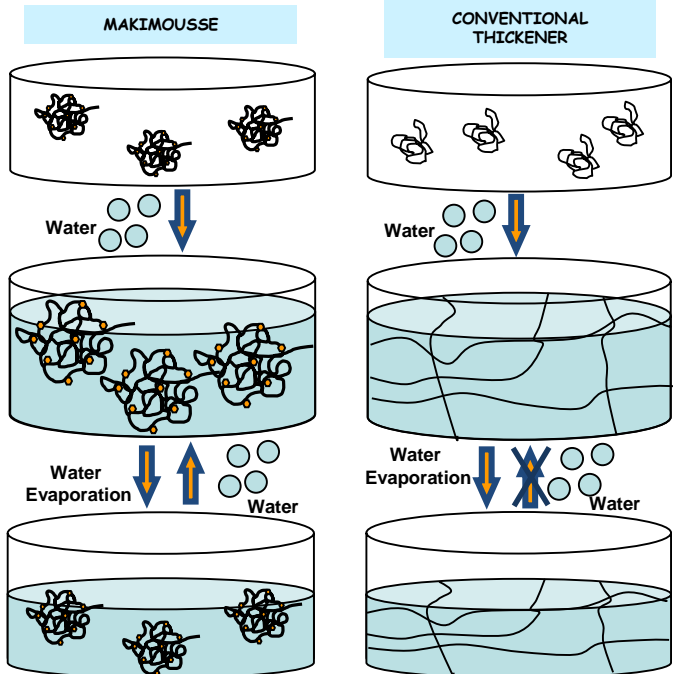


Mean particle size = 7 µm

Formulation

- Swells in water without agitation or by manual or mechanical stirring
- pH: stable over a pH range of 4 to 10
- Alcohols: compatible up to 40% with ethanol
- Salts: swelling capacity decreases in presence of salts. A higher polymer concentration is required to reach the same viscosity compared to a salt-free medium.
- Urea: compatible
- Surfactants: compatible with anionics and nonionics but only up to 1% with cationic, (higher polymer concentration is required)
- Untreated pigments: compatible with iron oxides and organic pigments
- Treated pigments: compatible with all DAITO's treatments
- Lakes: incompatible
- Cellulobeads, Makibeads, Sugarcapsules: compatible
- Film formers: compatible with acrylic and cellulose derivatives

Gel formation



Chemical and physical properties

- Biopolymer
- White powder
- Odorless

- Predisperse in polyols before adding it to water
- Cold processable
- No neutralization
- Buffering effect: stabilizes formulations, little changes of moisture content will be regulated by MAKIMOUSSE which will absorb or release water,
- Stabilizes and suspends pearls, glitters and beads
- Synergistic association with MAKISWELL FILM
- Powder to cream concept can be achieved with MAKIMOUSSE 7
- Mascaras: Thickens lashes (MAKIMOUSSE 12 and 25)
- Innovative texture : sorbet, yoghurt, mousse-texture...
- Use level: 0,1-10%

Applications

EMULSION MOUSSES

DKE 165 MAKIMOUSSE 12

Low surfactant content ($\leq 0,5\%$)

DKE 179 MAKIMOUSSE 25

YOGHURT-TEXTURES

DKK 072 MAKIMOUSSE 12

Smooth aerated texture

MASCARAS

DKE 164, DKK 086 MAKIMOUSSE 25

The mousse texture provides volumized lashes

SORBET-GELS

DKK 071 MAKIMOUSSE 12

Gel-cream with a light, fresh and melting texture

GEL MOUSSES

DKE 153 MAKIMOUSSE 12

*In combination with MAKISWELL FILM which improves mousse stability and application
Adjust mousse consistency by using pump dispenser*

DKK 018B MAKIMOUSSE 25

In combination with DAITOSOL 4000SJT to provide water resistance

POWDER TO CREAM TEXTURES

DKE 181 MAKIMOUSSE 7

GELS

DKK 073 MAKIMOUSSE 12

EMULSIONS

DKE 185 MAKIMOUSSE 7

Safety and regulatory information

Product safety: Sodium polyacrylate starch has been tested for skin irritation, eye irritation and mutagenicity. Results show that this product can be classified as non irritant and non mutagenic..

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

REACH: Sodium polyacrylate starch is exempted from registration

MAKIMOUSSE is listed on the major chemical inventories such CTFA, CosIng, AICS, NDSL, KCID, IECIC2003 and/or IECIC 2014.

For additional information

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