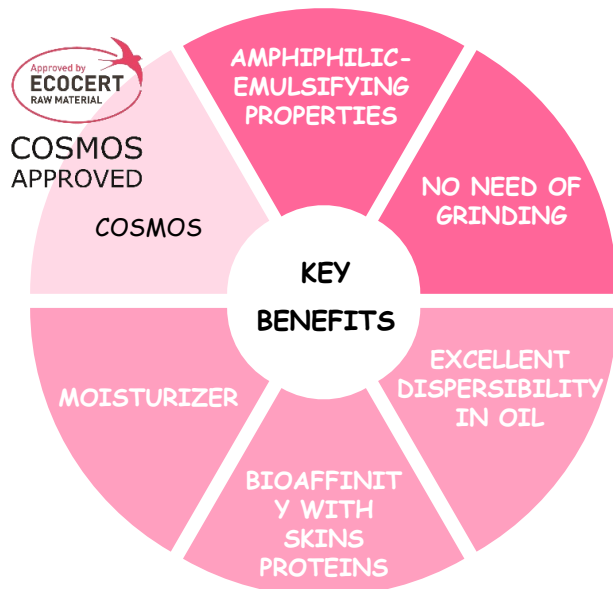
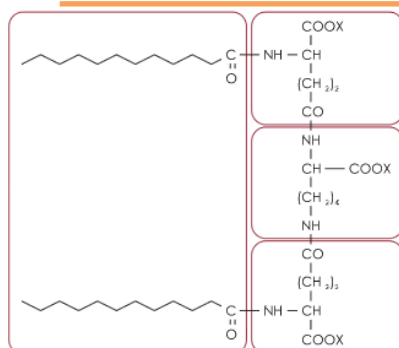


COMPOSITION		
INCI Name	CAS Number	EC Number
Sodium lauroyl glutamate	29923-31-7	249-958-3
Lysine	70-54-2 56-87-1	200-740-6 200-294-2
Magnesium chloride	7786-30-6	230-094-6



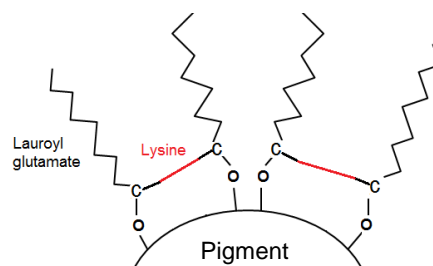
Chemical structure of ASL



N-Lauroyl-L Glutamate

Lysine

N-Lauroyl-L Glutamate



+ $MgCl_2$

Chemical and physical properties

- Amino-acid treatment
- Good hydrophobicity
- Self-emulsifying properties

Gemini Type Amphiphilic Amino Acid

Use guideline

- Excellent dispersibility in oils: No need of grinding or milling
- Emulsions: Disperse in the oil phase
 - Suitable for W/Si and W/O emulsions
 - Co-emulsifying properties
- Powders: Mix with other powders
- Substitution of silicone elastomers: ASL-treated pigments can be combined with MAKIBEADS SP10 to obtain silicon-touch textures
- ASL-treated powders show water binding properties
- A wide range of ASL-treated pigments and fillers are available (titanium dioxide, iron oxides, mica, sericite, talc, zinc oxide).

Oil dispersibility

TiO2 CR-50	10%	50%	80%
Mineral oil	AD-liquid	AD-liquid	AD-paste
Vegetable squalane	AD-liquid	AD-liquid	AD-paste
Olive oil	AD-liquid	AD-liquid	AD-paste
Dimethicone	AD-liquid	AD-paste	AD-paste
Cyclomethicone	AD-liquid	AD-liquid	AD-paste
Tridecyl isononanoate	AD-liquid	AD-liquid	AD-paste

AD: AutoDispersible

Cosmetic benefits

- Improve skin barrier function
- Restore skin health
- Impart creamy texture and feel
- Provide a silky and velvet feel
- Excellent affinity with the skin

Emulsifying properties

Ingredients (%)	1	2	3	4	5
MAKIMOUSSE 12	0.2	0.2	0.2	0.2	0.2
WATER	69.8	78.8	74.8	69.8	59.8
ASL-1 TiO2 CR-50	0	1	5	10	20
TiO2 CR-50	10	0	0	0	0
VEGETABLE SQUALANE	20	20	20	20	20
EMULSION	No	No	Yes	Yes	Yes (dry)



Applications

FLUID FOUNDATION

DL/E706 Eco-Friendly Mewy Liquid Foundation
DL/E779 Milk-Shake It BB Foundation

POURED POWDER / STICK

DF/E397 Natural Velvet Poured Foundation
DF/E603 Powdery Foundation Stick

SKIN CARE

DL/E818 BB Cream
DL/E756 Full Coverage Cosmos Concealer

POWDER FOUNDATION

DF/E817B Loose Powder Nano Free - SPF50+
DF/E758 Natural Powder Foundation - Talc & TiO2 Free

Safety and regulatory information

Product safety: The available safety tests on these 3 ingredients didn't show dermal irritation. No evidence of mutagenicity has been found.

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

REACH: All the ingredients, unless exempted, will be registered on May 2018.

The ingredients are listed on the major chemical inventories such as CTFA, TSCA, AICS, DSL, KECL, KCID, IECSC, IECIC 2015.

For additional information

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