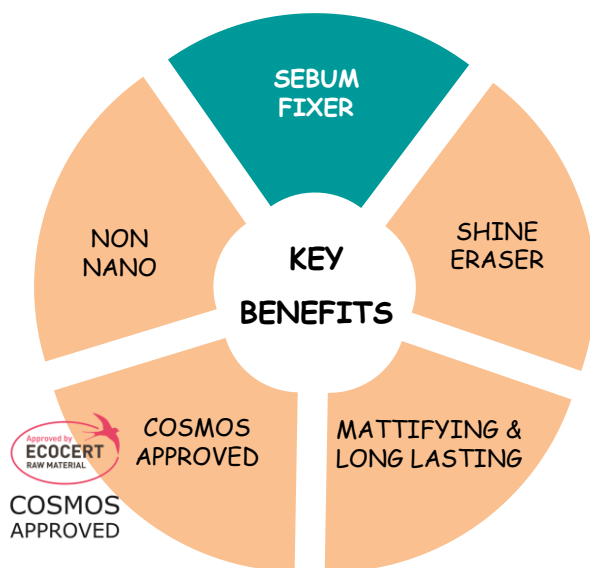


COMPOSITION

INCI Name	CAS Number	EC Number
Zinc Oxide	1314-13-2	215-222-5
Sodium Lauroyl Glutamate	29923-31-7	249-958-3
Lysine	70-54-2, 56-87-1	200-740-6, 200-294-2
Magnesium Chloride	7786-30-3	232-094-6



Chemical and physical properties

- Amino acid treated non-nano zinc oxide
- Fix fatty acid in sebum

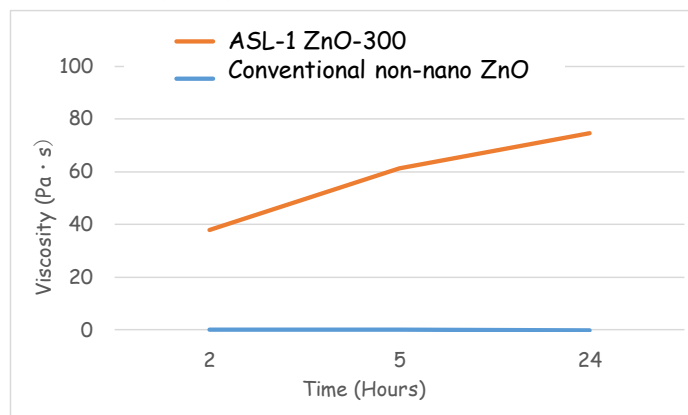
Time to solidify the oleic acid (90%) with powders (10%)

Powders	Time (minutes)
Conventional non-nano ZnO	No fixing
ASL-1 ZnO-300	3

Composition of Sebum

Component	%
Fatty acids	25.0
Triglycerides	25.0
Wax	22.0
Mono, diglycerides	10.0
Squalane	10.0
Cholesterol esters	2.5
Cholesterol	1.5
Others	4.0

Viscosity of powders (2%) in oleic acid (98%)



Formulation

- **Treated pigments and fillers:** compatible with all DAITO's treatments
- **Absorption powder:** compatible with oil absorption powders such as porous MAKIBEADS series, CELLULOBEADS USF etc.
- **Oils and waxes:** compatible with silicones, esters, hydrocarbons etc.

Selective fixing property of ASL-1 ZnO-300

Oleic acid	Squalane	Olive oil
Fixing	No	No

Use guideline

Emulsions: Add to powder phase and emulsify

Powders: Add to powder phase, and mix
Use level: 1-10%

Cosmetic benefits

- Prevent sebum to spread on the face
- Mattifying
- Long lasting
- Natural concept

Applications

Foundation Stick

DF/E603 Powdery Foundation Stick - ASL - SPF15
DF/E668B Fresh Moisturizing Stick - SPF25



Liquid Foundation

DL/E645 Eco-Friendly Color Adapt Drop to Drop Foundation - S-STM
DL/E653 Cosmos Foundation W/O - SMS
DL/E689B Cosmos BB Cream - ASL

Sunscreen

DS/E616 Natural Velvet Sunscreen - SPF15 - SMS



Safety and regulatory information

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

REACH: The ingredients, unless they are exempted, are registered or will be registered on May 2018.

All the ingredients are listed on major chemical inventories such CTFA.

For additional information Please contact:

DAITO KASEI EUROPE SAS
62 boulevard Henri Navier
Taverparc Bât 5.2
95150 Taverny - FRANCE
☎ : +33(0)1 30 40 01 01
☎ : +33(0)1 30 40 01 11
✉ : dkeurope@dkeurope.fr

HEAD OFFICE
DAITO KASEI KOGYO Co., LTD
1-6-28 Akagawa, Asahiku
Osaka - JAPAN
☎ : 81 6 6922 1632
☎ : 81 6 6921 9562

DAITO KASEI CHINA
6F/room 612
555 Wuding road Jing An District
Shanghai, CHINA 200040
☎ : +86 21 32 53 25 16

The information presented within this sheet is offered in good faith, and is based on our present state of knowledge. It is offered for informational and evaluation purposes only. Users of DAITO KASEI product should initiate their own testing to determine the suitability of this product for their intended purpose. DAITO KASEI assumes no liability or responsibility for any damage to person or property resulting from the use of this product or the incorporation of this product into any final formulation or product. Statements concerning the use of this product are not to be construed as a recommendation, suggestion or inducement to use the product in any way or within any formulation that is unlawful to create or sell, that violates any applicable regulations or that infringes upon any patent. No liability arising out of such a use is assumed.