

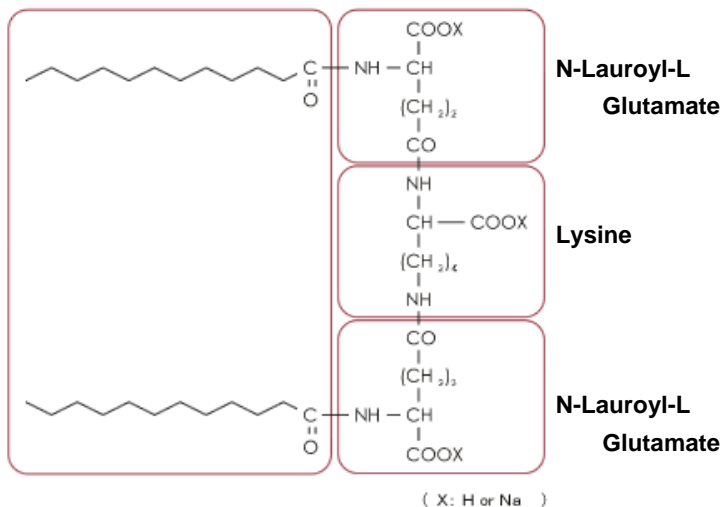
# Amino Acid Treatment - Natural Origin -

**ASL Treatment**

New!

**Gemini Type Amphiphilic  
Amino Acid Treatment**

**INCI Name:  
Sodium Dilauramidoglutamide Lysine**



**INCI Name: Magnesium Chloride  
or Aluminum Chloride**

**Property**

• **Novel W/O Whipped Formula  
without Surfactant**

Please  
Try!



• **Water Proofness**

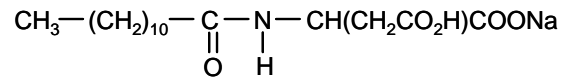
	Contact Angle (°)
ASL-1 TiO <sub>2</sub> CR-50	120
ASL-1 YELLOW LL-100P	138
ASL-1 RED R-516P	142
ASL-1 BLACK BL-100P	137

Formula	Foundation DL/011 (%)	Sun Screen DS/018, 019 (%)	
		SPF26, PA++	SPF 55, PA+++
Dimethicone (6cs) or Methyl Trimethicone or Isododecane	30.00	30.00	25.00
Tridecyl Isononanoate	3.00	-	-
Octyl methoxycinnamate	-	3.00	10.00
ASL-1 TiO <sub>2</sub> CR-50	8.50	-	-
ASL-1 YELLOW LL-100P	1.00	-	-
ASL-1 RED R-516P	0.30	-	-
ASL-1 BLACK BL-100P	0.20	-	-
ASL-1 MZ-500	5.00	15.00	15.00
ASL-1 TiO <sub>2</sub> MT-500SA	-	-	6.00
OTS-0.5 CELLULOBEADS D-10	3.00	3.00	3.00
Water	46.70	46.70	38.70
1,3-Butylene Glycol	2.00	2.00	2.00
Preservative	0.30	0.30	0.30
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

# Amino Acid Treatment - Natural Origin -

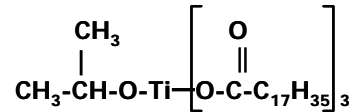
## ASI Treatment

INCI Name: Sodium Lauroyl Aspartate



INCI Name: Zinc Chloride  $\text{ZnCl}_2$

INCI Name: Isopropyl Titanium Triisostearate



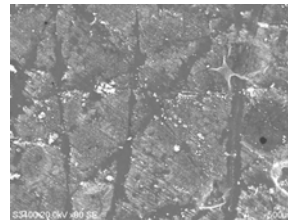
## Property

Smooth Feeling &  
Uniform Adhesion to the skin

Method: Spread powder on the skin from the wrist using puff, and check SEM image of the adhesion of the powder at 5cm away from the wrist.

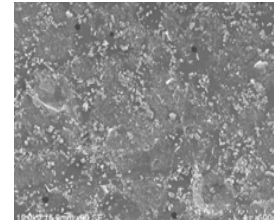


Untreated TiO<sub>2</sub> CR-50



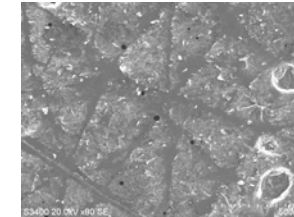
Adhesion is not uniform

Amino Acid Treated TiO<sub>2</sub> in the market



Aggregation is observed

ASI TiO<sub>2</sub> CR-50



Uniform adhesion to the skin

## LL Treatment

INCI Name: Lauroyl Lysine

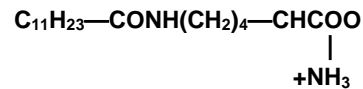
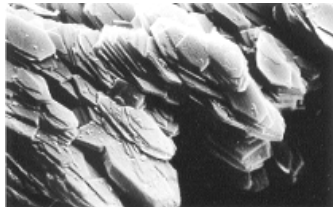


Plate crystal of LL



Ref. Brochure of Ajinomoto Co., Inc.

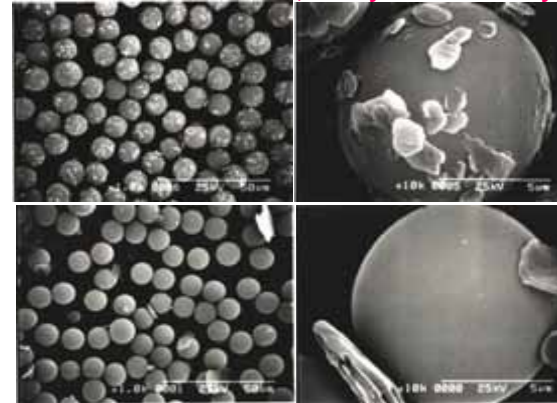
DAITO's Technology  
(Water Slurry Reaction)



Conventional Method  
(Dry Blending)



In this water slurry system, LL crystals exist very uniformly.



In this dry blending system, LL crystals does not exist uniformly.