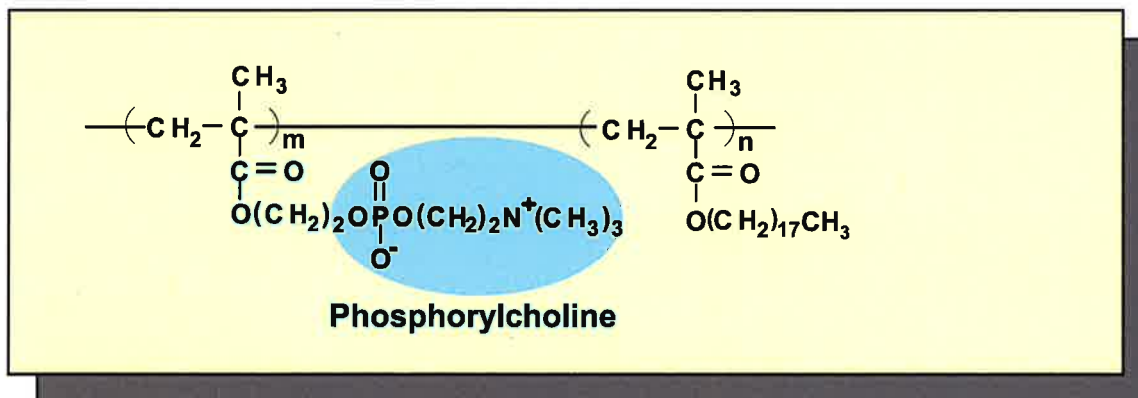


# LIPIDURE<sup>®</sup>-NA

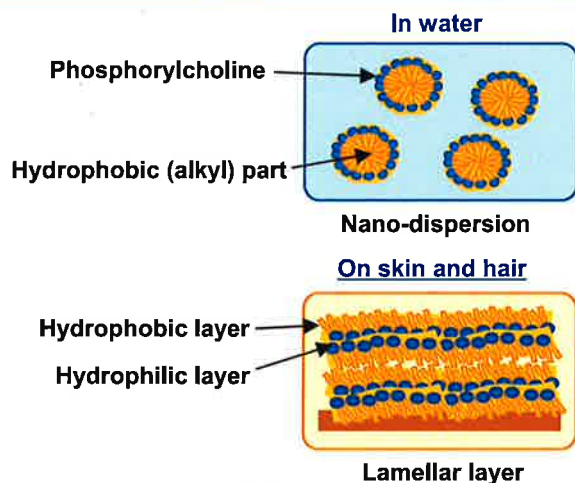
## Chemical Structure



## Products

Product	Composition	M.W.	JQD approval
Lipidure <sup>®</sup> -NA	Polyquarternium-61	: 1%	Approved (Pre-mix)
	Glycerin	: 9.75%	
	Butylene glycol	: 9.75%	
	PCA ethyl cocoyl arginate	: 0.25%	
	Water	: Balance	

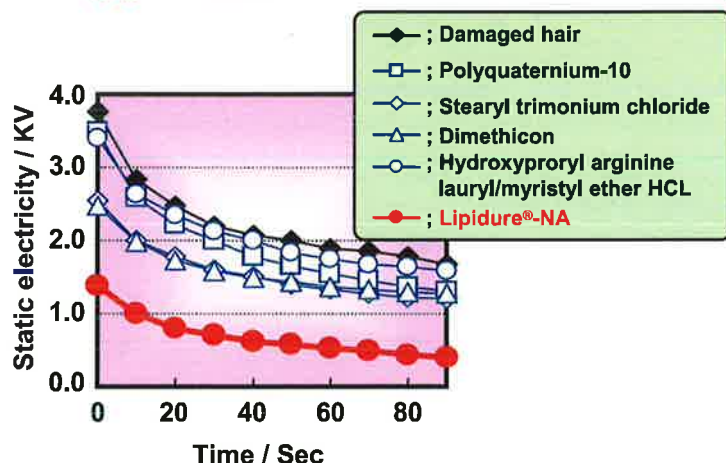
## Feature



- ✓ Suppression of charging static electricity
- ✓ Hair restoration (hydrophobic modification)
- ✓ Protection of hair discoloration

# Efficacy data

## ➤ Suppression of static electricity

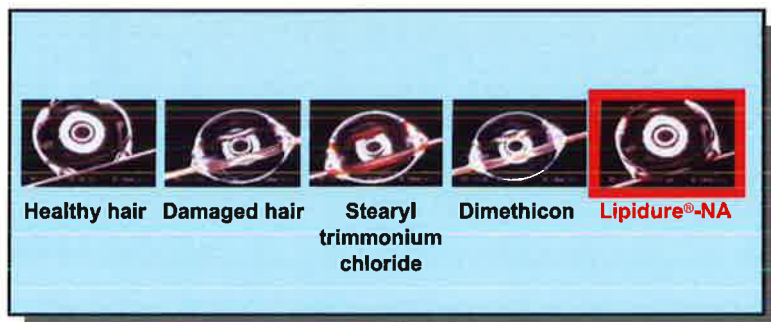


### Method

- (1) Immerse damaged hair in the solution containing the ingredients shown in the figure
- (2) Rinse each treated hair off with water and dried it
- (3) Measure static electricity of each treated hair

**Static electricity suppressed!!**

## ➤ Hydrophobization of hair surface



### Method

- (1) Immerse damaged hair in the solution containing the ingredients shown in the figure.
- (2) Rinse each treated hair off with water and dry it
- (3) Place 1  $\mu$  L of water on each treated hair and observe wettability on each treated hair under hyper microscope

**Damaged hair restored!!**

## ➤ Protection of hair discoloration



Initial color    None treatment    **Lipidure®-NA treatment**

### Method

- (1) Dye white hair to brown with a commercial hair color product
- (2) Immerse dyed hair in Lipidure®-NA suspension and water, and rinse each treated hair off with water and dry it
- (3) Shampoo each treated hair with an anionic surfactant and rinse it off with water 10 times
- (4) Take photos of each treated hair

**Discoloration suppressed!!**

# Contact Information

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