

## NOTES

Review SAFETY DATA SHEET(SDS) before using ADEKA products.

The data containing in this brochure are based on specific method and typical analysis.

The data containing in this brochure may be changed without notice.

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※Please ask our R&D or sales section for more detail.



# COSMETIC MATERIALS



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# COSMETIC MATERIALS

ADEKA has large variety of cosmetic materials from generic materials such as PROPYLENE GLYCOL to functional materials such as thickening agents, booster of cosmetic preservation, conditioning agents, and functional moisturizer which are developed by advanced technology of fermentation and cultivation.

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# 1 Hydro Gelator

## ADEKA NOL GT-700/730

<Japan Quasi-Drug additive>

### Characteristics

The gel has high elasticity but can also be sprayed.  
It has excellent salt and pH tolerance because it is nonionic polymer.  
The most unique property is self smoothing behavior like memory gel.

Product name	Appearance	Active	INCI name	Packing
ADEKA NOL GT-700	White or yellow solid	100%	PEG-240/HDI COPOLYMER BIS-DECYLTRADECETH ETHER	20kg / Bag
ADEKA NOL GT-730	Light yellow liquid	30%	PEG-240/HDI COPOLYMER BIS-DECYLTRADECETH ETHER, BUTYLENE GLYCOL, WATER	20kg / Can

These products have carry-over ingredients.

### Self smoothing property

Hydro gel of GT-700/730 has surface smoothness.



Immediately after mixing



30 seconds after mixing

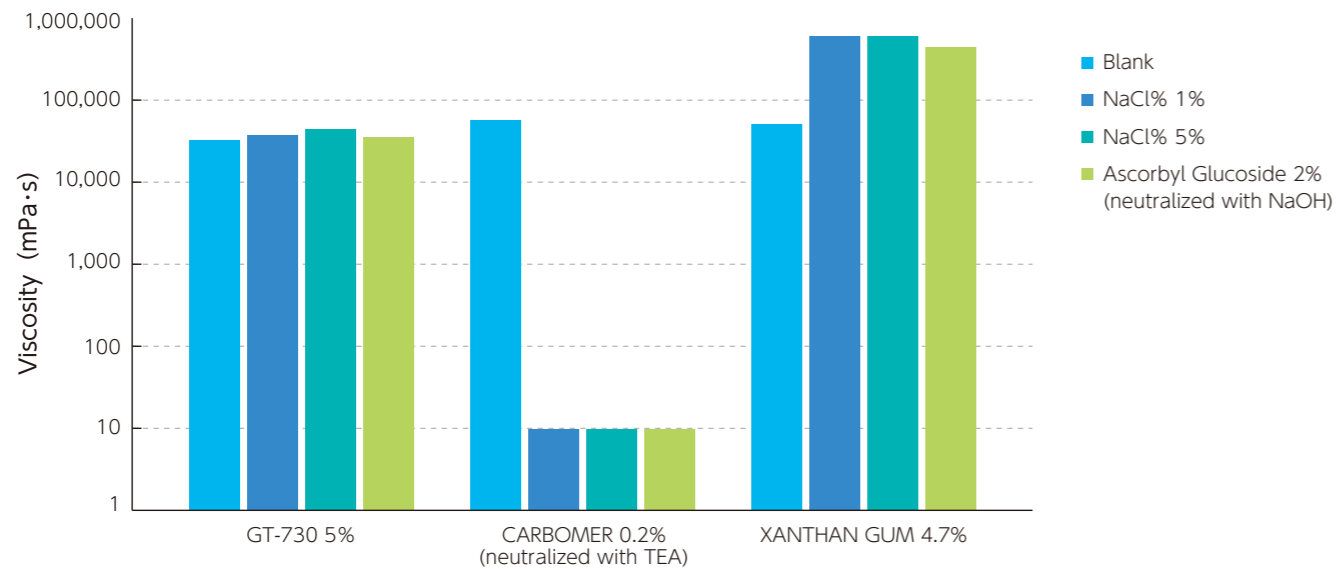
### Good spray discharge

Aqueous solution can be sprayed like fine mist by its thixotropic property.



### Salt resistance

Both inorganic and organic salts have no influence on hydro gel of GT-700/730.



## ADEKA NOL GT-930

### Characteristics

This product is superior in emulsion and powder dispersion stability.

It has better compatibility with polyol than GT-700/730.

It has also salt tolerance and good spray discharge as well as GT-700/730.



Product name	Appearance	Active	INCI name	Packing
ADEKA NOL GT-930	Light yellow to light yellow-brown, clear or slightly turbid, viscous liquid	30%	POLYURETHANE-59, BUTYLENE GLYCOL, WATER	20kg / Can

This product has carry-over ingredient.

### Powder dispersion stability

GT-930 can stabilize the dispersion of the powder with high specific gravity.

	(i)	(ii)
GT-930	2.7 (solid conc. 0.8)	—
GT-730	—	2.7 (solid conc. 0.8)
WATER	92.3	92.3
TiO <sub>2</sub>	5.0	5.0

(i) GT-930 (ii) GT-730



Stable over 3 months. Separated within 1 week.

#### <Preparation procedure>

- Gels and TiO<sub>2</sub> were mixed with disper (5000rpm) at 50°C for 30min.
- Cool down to room temperature while stirring.
- Dispersion stabilities were observed at 25°C

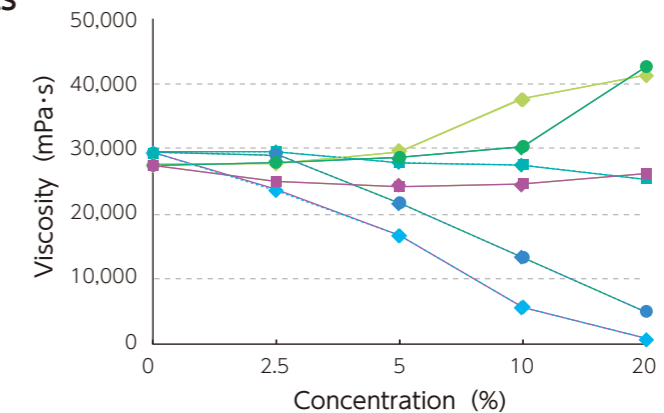
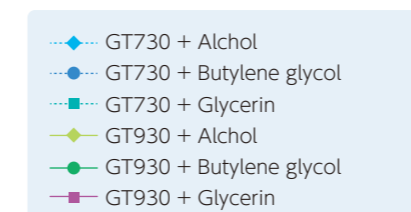
### O/W emulsion stability

GT-930 can make stable O / W emulsion without emulsifier.

		I	II
A	GT-930	3.3	1.0
	BUTYLENE GLYCOL	3.2	1.0
	WATER	63.5	28.0
B	MINERAL OIL	30.0	70.0
Stability test 3 Months	40°C	Stable	Stable
	25°C	Stable	Stable

### Compatibility with polyols

GT-930 has better compatibility with polyol than GT-700/730.



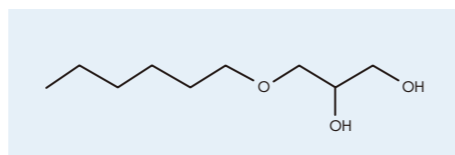
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## 2 Special glycols

### ADEKA NOL NHG

#### Characteristics

- Preservative booster with low skin irritation for paraben free system
- Likely to stay in water phase because of high water solubility
- Available in a wide range of pH



Product Name	Appearance	Purity	INCI name	Packing
ADEKA NOL NHG	Light yellow liquid	≥99.0%	HEXYLGLYCERIN	17kg / Can 180kg / Drum

This product has carry-over ingredient.

#### Minimum Inhibitory Concentration [MIC(%)] and Water solubility

Water solubility of NHG is higher than its MIC.

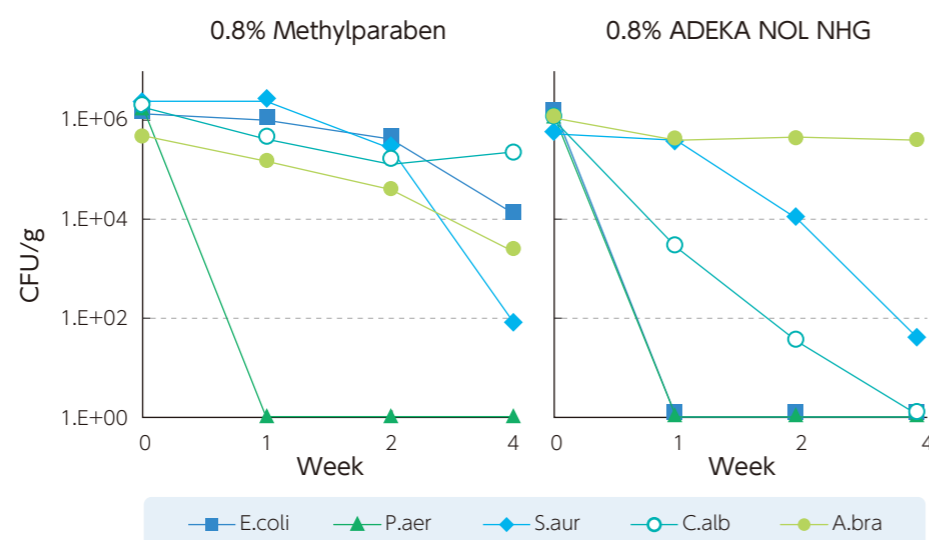
NHG can be added to clear formulation without solubilizer.

	ADEKA NOL NHG	Methyl paraben	Caprylyl glycol	Ethylhexyl glycerin
<i>E.coli</i>	0.38	0.19	0.13	0.25
<i>P.aeruginosa</i>	1.00	0.25	0.38	>1.00
<i>S.aureus</i>	0.75	0.38	0.38	0.19
<i>C.albicans</i>	0.38	0.13	0.25	0.19
<i>A.brasiliensis</i>	0.19	0.06	<0.09	<0.09
Water solubility (%)	1.0	0.2	0.3	0.2

#### Challenge test

• Trial formula

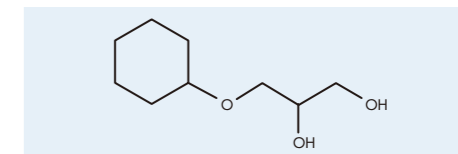
Ingredient	(%)
TRIETHYLHEXANOIN	20.0
SORBETH-30 TETRAOLEATE	4.0
GLYCERIN	0.2
CETEARYL ALCOHOL	0.2
SODIUM ACRYLATES/C10-30 ALKYL ACRYLATES CROSSPOLYMER	0.1
Methylparaben or ADEKA NOL NHG	0.8
Water	to 100



### ADEKA NOL CHG

#### Characteristics

- Extremely low skin irritation and completely dissolving in water
- Synergistic effects by the combination use of other boosters
- Preservative booster for clear formulation



Product Name	Appearance	Purity	INCI name	Packing
ADEKA NOL CHG	Light yellow liquid	≥99.0%	CYCLOHEXYLGLYCERIN	17kg / Can 180kg / Drum

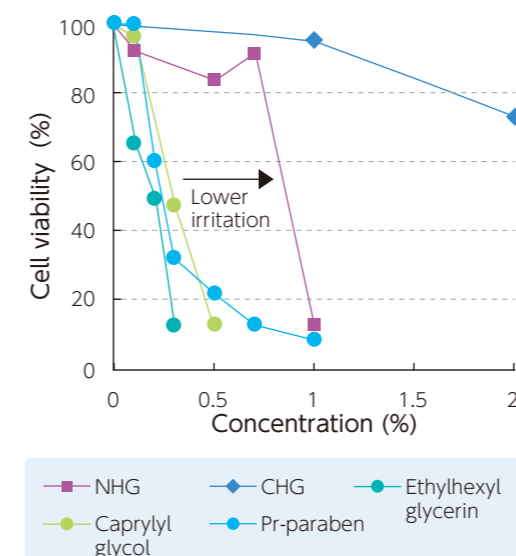
This product has carry-over ingredient.

#### Minimum Inhibitory Concentration [MIC(%)] and Water solubility

CHG has similar MIC and water solubility to 1,2-hexanediol and pentylene glycol.

	ADEKA NOL CHG	Phenoxy ethanol	1,2-Hexanediol	Pentylene glycol
<i>E.coli</i>	1.00	0.50	1.00	3.00
<i>P.aeruginosa</i>	1.50	0.50	1.00	2.00
<i>S.aureus</i>	3.00	1.00	>2.00	5.00
<i>C.albicans</i>	1.00	0.50	1.50	2.50
<i>A.brasiliensis</i>	1.00	0.30	1.00	2.00
Water solubility (%)	Completely	2.7	Completely	Completely

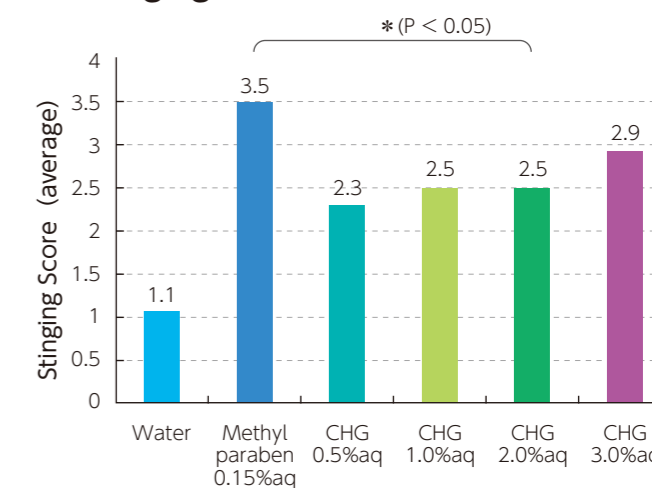
#### Skin irritation



#### <Test Method>

Test method: Cultured human tissue (J-TEC)  
37°C, 24hr, MTT assay

#### Stinging test



#### <Test Method>

15 subjects having sensitive skin after face wash, put the cotton on the cheek, 30min

#### <Score>

1 (Weak) → 5 (Strong)

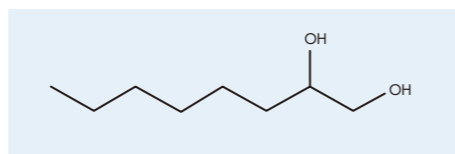
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## ADEKA NOL OG

<Japan Quasi-Drug additive>

### Characteristics

- Low MIC against bacteria and fungi.
- Available for paraben free system in a wide range of formulation
- Improved water solubility by the combination use of DPG or BG



Product Name	Appearance	Purity	INCI name	Packing
ADEKA NOL OG	Clear liquid or white solid (Melting point : 33°C Freezing point : 15°C)	≥98.0%	CAPRYLYL GLYCOL	16kg / Can 180kg / Drum

### Minimum Inhibitory Concentration [MIC(%)]

	ADEKA NOL OG	Methylparaben	Phenoxyethanol
<i>E.coli</i>	0.13	0.19	0.50
<i>P.aeruginosa</i>	0.38	0.25	0.50
<i>S.aureus</i>	0.38	0.38	1.00
<i>C.albicans</i>	0.25	0.13	0.50
<i>A.brasiliensis</i>	<0.09	0.06	0.30

## 3 Moisturizer

## PROPYLENEGLYCOL, DPG-RF, TPG-H

<Japan Quasi-Drug additive>

### Characteristics

ADEKA is the first company in Japan to produce propylene glycols. They are also used in prescription medications, cosmetics and within the food industry as food additives.

Product Name	Appearance	INCI name	Packing	Functions
Propylene glycol	Clear liquid	PROPYLENE GLYCOL	18kg / Can 200kg / Drum	Moisture Low odor
DPG-RF	Clear liquid	DIPROPYLENE GLYCOL	18kg / Can 200kg / Drum	Moisture Low odor Low irritation
TPG-H	Clear liquid	TRIPROPYLENE GLYCOL or PPG-3	18kg / Can 200kg / Drum	Moisture Low odor Low irritation

## ADEKA NOL BP, DP, TP series

### Characteristics

These products are emollient agents which are polyoxyalkylene glycol made by polymerization technology. They can modify the texture of any cosmetics.

Product Name	Appearance	INCI name	Packing	Unit
ADEKA NOL BP series	Clear liquid ~ Light yellow liquid	PPG-XX BUTYL ETHER *	18kg / Can 200kg / Drum	PO
ADEKA NOL BPE series		PPG-XX BUTETH-XX *	18kg / Can 200kg / Drum	EO • PO
ADEKA NOL DP series		PPG-XX *	18kg / Can 200kg / Drum	PO
ADEKA NOL DPE series		PEG/PPG-XX/XX COPOLYMER *	18kg / Can 200kg / Drum	EO • PO
ADEKA NOL TP series		PPG-XX GLYCERYL ETHER *	18kg / Can 200kg / Drum	PO
ADEKA NOL TPE series		PPG-XX GLYCERETH-XX *	18kg / Can 200kg / Drum	EO • PO

Please refer to the product list (pp15) for the INCI name of each product

### Structure and property

The product property can be controlled by changing the ratio of EO/PO.

BP / BPE Series	DP / DPE Series	TP / TPE Series	
			<ul style="list-style-type: none"> <li>■ : EO</li> <li>● : PO</li> <li>■ : Hydrocarbon</li> <li>■ : Structure of glycerin</li> </ul>

Unit	Solubility	Viscosity	Texture
EO	Water soluble	High	Rich feeling
PO	Oil soluble	Low	Light feeling

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## 4 Natural and Functional Ingredient

### Beta-Glucan (General Name)

#### Characteristics : Natural, Humectant, Protection from UV

The product is a culture of so called black yeast, ADK-34 strain from Japanese traditional food, using only food ingredients. It contains high beta-1,3-1,6-glucan concentration and highly moisture-retaining, does not show stickiness.

Product Name	Appearance	$\beta$ -1,3-1,6-Glucan	INCI name	Packing
ADEKA BETA-GLUCAN LQ-S	Clear to white, viscous liquid	$\geq 0.8\%$	AUREOBASIDIUM PULLULANS FERMENT, PHENOXYETHANOL**, ETHYLHEXYLGLYCERINE**	1kg / Bottle

\*\* carry-over ingredients.

#### Application

Best for skin care cosmetics (lotion, serum, skin milk, cream, etc).

#### Recommended Concentration

0.1-1%LQ-S

#### Storage stability

Stable at 50°C for long time, and supports emulsion stability, or TiO<sub>2</sub> dispersed liquid

#### Viscosity Stability under 50°C

	Before Storage	After 4 weeks at 50°C
Viscosity (mPa · s)	2870	2910

#### <Test Method>

Viscosity was measured with using B-type Viscometer (Cone/plate, 1rpm) for samples before storage and after storage at 25°C or 50°C.

#### Emulsion Stabilizing Effect, under 50°C

After preparation

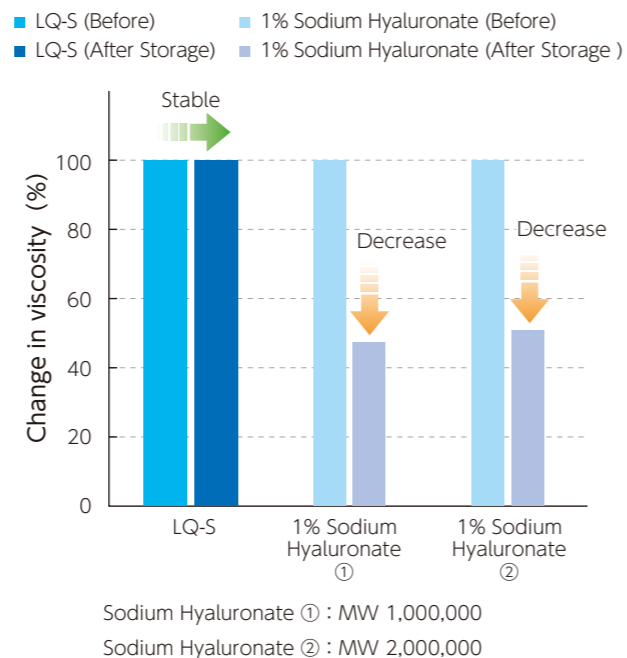


50°C

3 weeks later

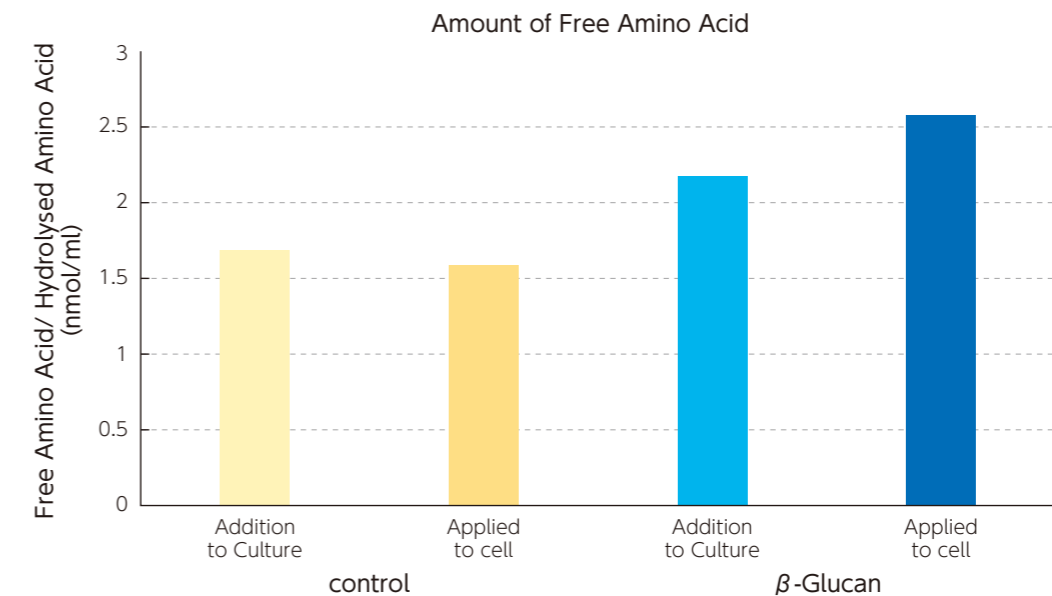


From left to right, Control, 0.1%LQ-S, 1%LQ-S



#### Production of Free Amino Acids; Natural Moisturizing Factor

Addition of beta -1,3-1,6-glucan to cultured human keratinocytes promotes production of free amino acids.

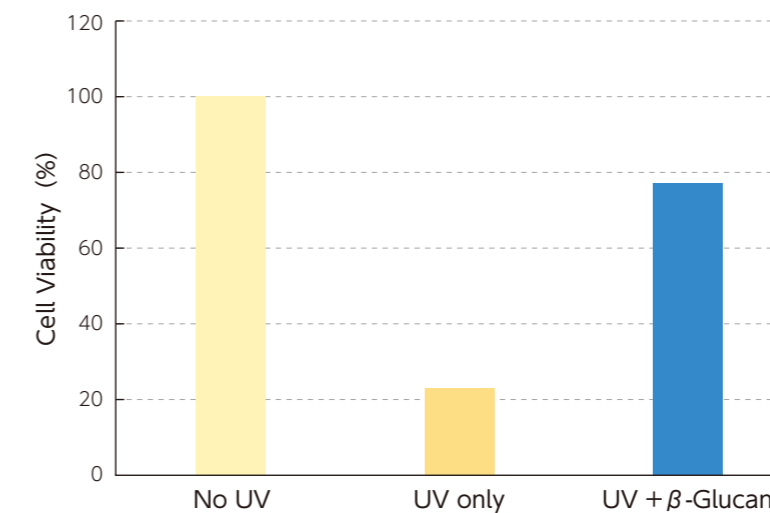


#### <Test Method>

Beta-1,3-1,6-Glucan is added to culture or applied to cell of 3-Dimensional Cultured Tissue Model, and incubated. Amino acids from epidermal cell are extracted, and measured under fluorescence.

#### Protection from UV Damage

• Addition of beta -1,3-1,6-glucan to cultured cell recovers cell viability by UV damage.



#### <Test Method>

0.1% beta-1,3-1,6-glucan is applied to human corneal epithelium cell, followed by irradiation of UV-B 302nm) for 60s, and 24hr later, cell viability is measured by Giemsa stain method.

## Mevalonolactone (General Name)

<Japan Quasi-Drug additive>

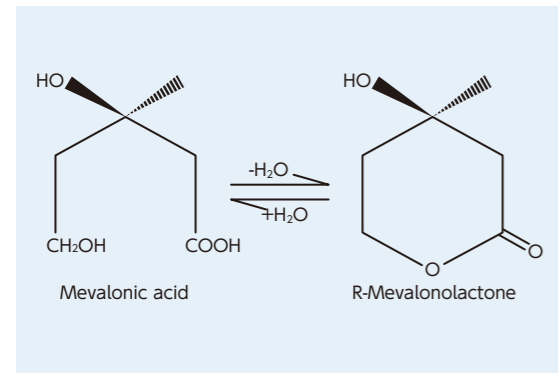
### Characteristics : Natural, Humectant, Maintains Barrier Function, Aging Care

Mevalonic Acid was discovered as a growth factor in Japanese sake tancidification, is a biosynthesis precursor of terpenoids. Since the discovery of mevalonolactone, various functions have been found, and ADEKA has sough and found a yeast strain which highly produces mevalonolactone, and has succeeded in producing natural mevalonolactone at industrial level.

Product Name	Appearance	R(-)-Mevalonolactone	INCI name	Packing
ADEKA MEVALONOLACTONE	Light yellow to pala broewnclear viscous liquid	≥97.0%	MEVALONOLACTONE, PHENOXYETHANOL**	100g/ brown glass bottle 1kg/brown glass bottle
ADEKA MEVALONIC ACID			MEVALONOLACTONE	

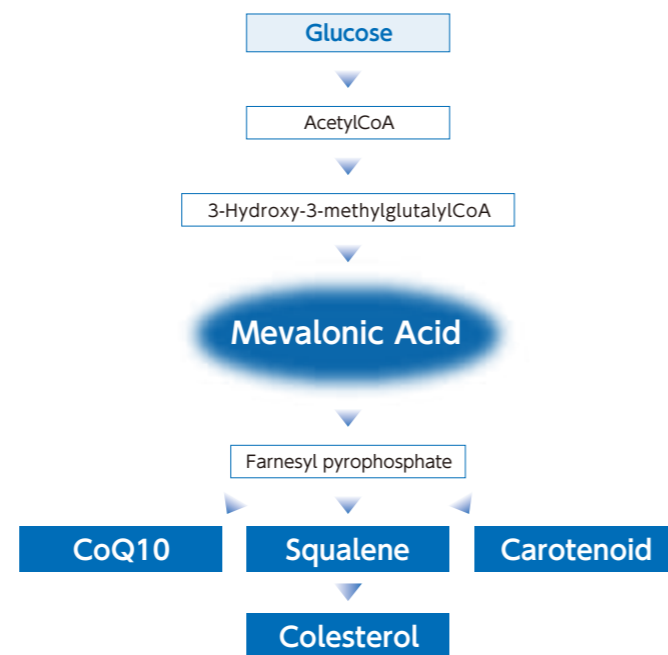
\*\* carry-over ingredients.

### Chemical Structure



Mevalonolactone is an esterized compound of mevalonic acid, and with the addition of water it ring-opens into mevalonic acid.

### Mevalonic Acid Metabolic Pathway

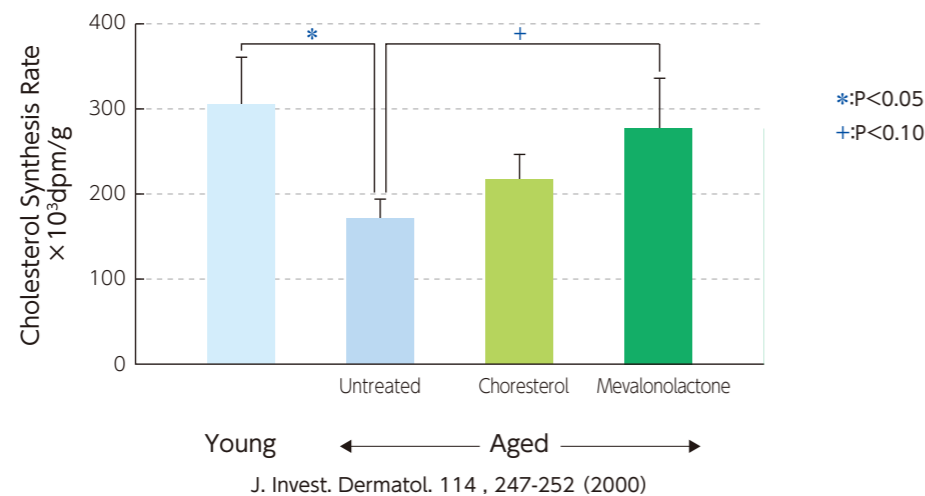


### Recommended Concentration

0.05% ~1%

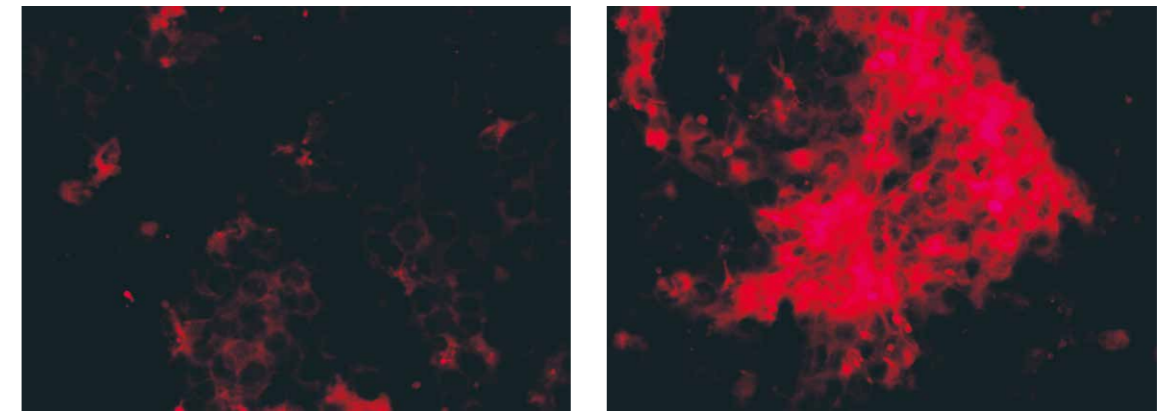
### Biosynthesis of Cholesterol

Mevalonolactone maintains the synthesis of cholesterol.



## Synthesis of Lipid (Free Fatty Acid)

Mevalonolactone increases lipid (free fatty acid) of Cultured cell.



Control

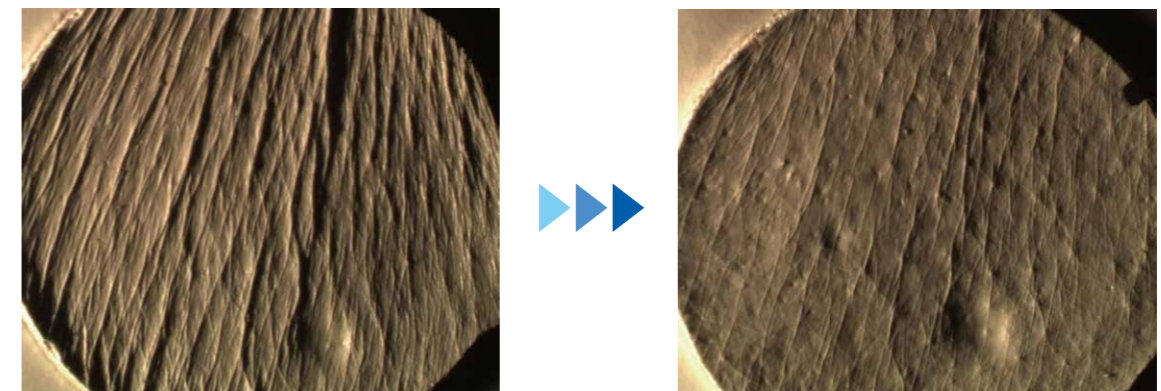
Mevalonolactone (0.05%)

### <Test Method>

0.05% mevalonolactone is applied to epidermal keratinocyte, and cultured. Free fatty acid is stained by Nile red, and observed under fluorescence.

### Application Test for 8weeks

Subject : 24 healthy people, 20 to 60 years old (dry skin or atopic dermatitis patients are excluded)  
 Samples : (A) 0.05% Mevalonolactone + 0.1%  $\beta$ -Glucan containing cream (B) Placebo cream  
 Application : Applied to half of subjects' face after washing, twice a day. Use of other cosmetics are prohibited.  
 Test Period : 8 weeks  
 Analysis : Depth of wrinkle were measured by Skin Visiometer (Skin-Visiometer SV 600, Germany)



Before Test

After 8weeks application

replica

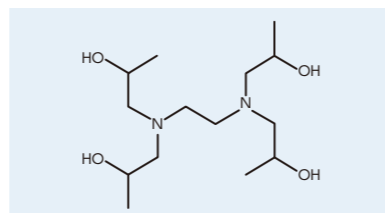
## 5 Functional Ingredient for toiletries

### ADEKA CARPOL MD-100

<Japan Quasi-Drug additive>

#### Characteristics

It is used to neutralize acid substance.  
(for example, fatty acid, inorganic acid and organic acid)  
Compare to the triethanolamine(TEA), MD-100 enables to prepare the soap which in better flowability and color stability.



Product Name	Appearance	Active	INCI name	Packing
ADEKA CARPOL MD-100	Clear liquid	100%	Tetrahydroxypropyl Ethylenediamine	18kg / Can

#### Liquidity of Soap

MD-100 can prepare the soap which is better flowability than that of TEA.

	MD-100	TEA
Stearic acid	Pasty colorless	White Solid
Oreic acid	yellow liquid	Pasty red
Palmitic acid	yellow liquid	White Solid
Myristic acid	yellow liquid	White Solid
Lauric acid	yellow liquid	White Solid

Myristic acid soap



MD-100 TEA

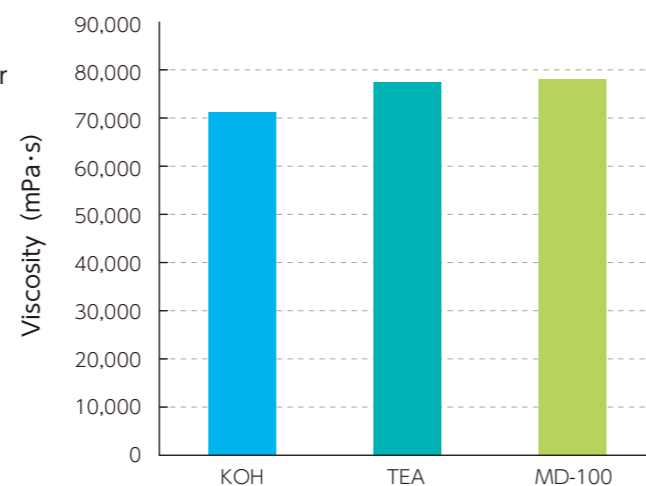
Neutralization equivalent ratio COOH/N = 1/1.6 (mol/mol)

#### Neutralization of Carbomer

The viscosity of Carbomer neutralized with MD-100 is approximately equal to neutralized Carbomer with TEA.

##### <Test Method>

For 0.5% Carbomer water solution, we added MD-100 to become pH=6.5 and measured viscosity.



### ADEKA COL CC Series

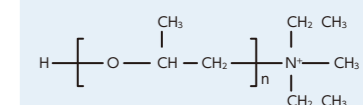
<Japan Quasi-Drug additive>

#### Characteristics

ADEKA COL CC Series are cationic surfactants having a PPG chain in the hydrophobic group.

Anionic surfactant such as alkylethersulfonate salt solves into each other in a wide ratio.

It can improve low temperature fluidity of liquid detergent such as shampoo. Because it has the protein degeneration mitigation effect, it can be expected to reduce skin irritation. It is also excellent in lasting fragrance.



Product Name	Appearance	Active	INCI name	Packing
ADEKA COL CC-36	Clear liquid	100%	PPG-25 Diethylmonium Chloride	18kg / Can
ADEKA COL CC-42			PPG-40 Diethylmonium Chloride	

#### Long-lasting fragrance effect

lasting fragrance	The sample with the strong fragrance is chosen.		
	A is good	Unknown	B is good
sensory evaluation	9	1	0

##### <Test Sample>

(A) ADEKA COL CC-36 3% (B) None

##### <Test method>

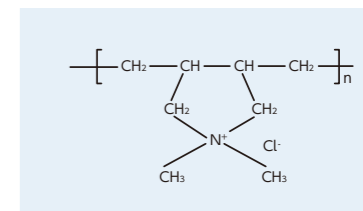
Wash towels (cotton100%) using detergent and softener(add A or B ).  
We compared the fragraney of towels after drying 1 day.

### ADEKA CATIOACE PD-50

<Japan Quasi-Drug additive>

#### Characteristics

ADEKA CATIOACE PD-50 is a cationic polymer with good antistatic and conditioning effect, used for toiletry and haircare products. It can boost foam volume and make foam firm and elastic. It has effect of conditioning effect for skin and hair.



Product Name	Appearance	Active	INCI name	Packing
ADEKA CATIOACE PD-50	Clear liquid	40% (aqueous solution)	Polyquaternium-6, Water	18kg / Can



## ADEKA NOL L, P, F, TR series

### Characteristics

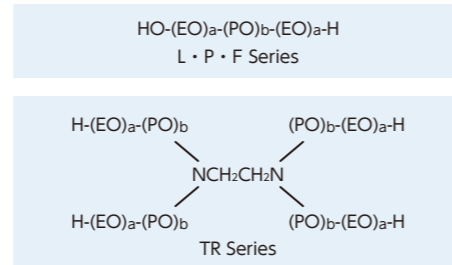
ADEKA NOL L,P,F series are nonionic polymer surfactant which are composed of polyethylene glycol and polypropylene glycol.

By controlling the molecular weight and the ratio, it is possible to give various properties.

These are mild surfactants with low irritation to skin and eye.

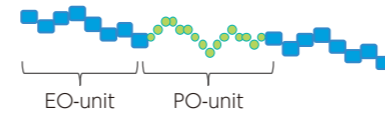
Also, they do not cause much foaming.

TR series are ethylenediamine-based, and show slightly cationic behavior.



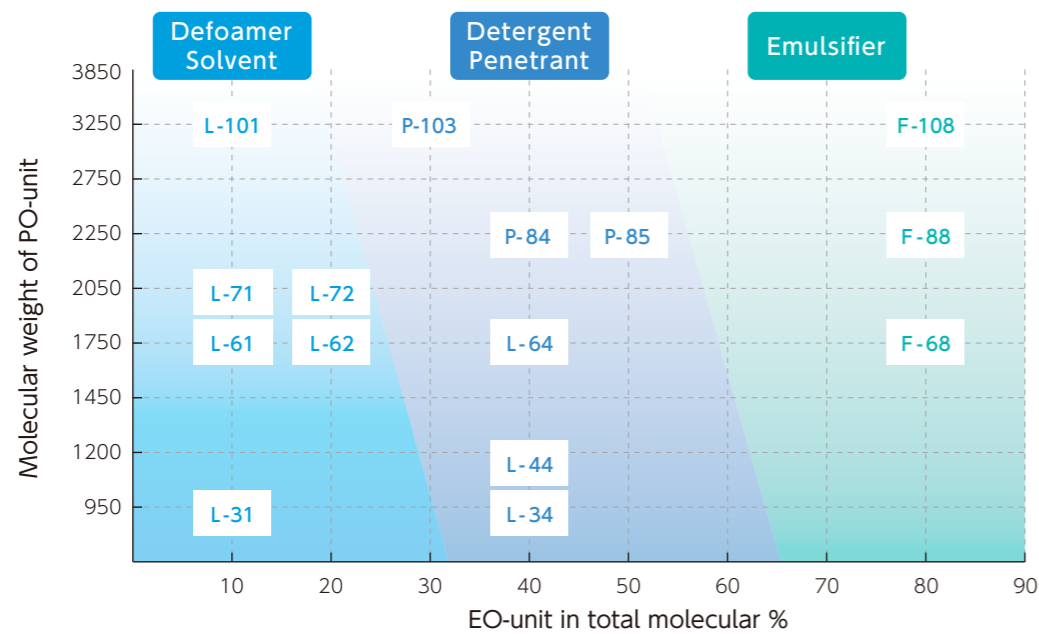
Product Name	Appearance	INCI name	Packing
<b>ADEKA NOL L series</b>	Clear liquid ~ Light yellow liquid	POLOXAMER XXX * PEG/PPG-YY/ZZ COPOLYMER *	18kg / Can 200kg / Drum
<b>ADEKA NOL P series</b>	White Paste		18kg / Can 200kg / Drum
<b>ADEKA NOL F series</b>	White Solid		15kg / Bag
<b>ADEKA NOL TR series</b>	Clear liquid ~ Light yellow liquid	POLOXAMINE XXX *	18kg / Can 200kg / Drum

Please refer to the product list (pp16) for the INCI name of each product



### Functional map

ADEKA NOL L,P,F series show the following properties depending on the combination of EO-unit and PO-unit.



## 6 Product List

	Product Name	INCI Name	China INCI
<b>Hydro Gelator</b>	ADEKA NOL GT-700	PEG-240/HDI Copolymer Bis-Decyltetradeceth-20 Ether	PEG-240/HDI 共聚物双-癸基十四醇聚醚-20 醚
	ADEKA NOL GT-730	PEG-240/HDI Copolymer Bis-Decyltetradeceth-20 Ether, Butylene Glycol, Water	PEG-240/HDI 共聚物双-癸基十四醇聚醚-20 醚、丁二醇、水
	ADEKA NOL GT-930	Polyurethane-59、Butylene Glycol, Water	-
<b>Special Glycols</b>	ADEKA NOL NHG	Hexylglycerin	-
	ADEKA NOL CHG	Cyclohexylglycerin	-
	ADEKA NOL OG	Caprylyl Glycol	辛甘醇
<b>Moisturizer</b>	PROPYLENE GLYCOL	Propylene Glycol	丙二醇
	DPG-RF	Dipropylene Glycol	双丙甘醇
	TPG-H	Tripropylene Glycol	三丙二醇 or 聚丙二醇-30
	ADEKA NOL BP-12	PPG-12 Butyl Ether	PPG-12 丁醚
	ADEKA NOL BP-20	PPG-20 Butyl Ether	PPG-20 丁醚
	ADEKA NOL BP-33	PPG-33 butyl Ether	PPG-33 丁醚
	ADEKA NOL BPE-21	PPG-2-Buteth-1	PPG-2-丁醇聚醚-1
	ADEKA NOL BPE-44	PPG-4-Buteth-4	PPG-4-丁醇聚醚-4
	ADEKA NOL BPE-912	PPG-9-Buteth-12	-
	ADEKA NOL BPE-1520	PPG-15-Buteth-20	PPG-15-丁醇聚醚-20
	ADEKA NOL BPE-2835	PPG-28-Buteth-35	PPG-28-丁醇聚醚-35
	ADEKA NOL BPE-3345	PPG-33-Buteth-45	PPG-33-丁醇聚醚-45
	ADEKA NOL DP-7	PPG-7	聚丙二醇-7
	ADEKA NOL DP-13	PPG-13	-
	ADEKA NOL DP-17	PPG-17	聚丙二醇-17
ADEKA NOL DP-34	PPG-34	聚丙二醇-34	
ADEKA NOL DPE-624	PEG/PPG-240/60 Copolymer	PEG/PPG-240/60共聚物	
ADEKA NOL TP-6	PPG-6 Glyceryl Ether	-	
ADEKA NOL TP-10	PPG-10 Glyceryl Ether	PPG-10 甘油醚	
ADEKA NOL TP-24	-	-	
ADEKA NOL TPE-2424	PPG-24-Glycereth-24	PPG-24-甘油聚醚-24	
ADEKA NOL TPE-1160	PEG/PPG-60/11 Glycerin	-	
<b>Natural and Functional Ingredient</b>	ADEKA BETA-GLUCAN LQ-S	Aureobasidium Pullulans Ferment, Phenoxyethanol, Ethylhexylglycerine	出芽短梗霉发酵产物、苯氧乙醇、乙基己基甘油
	ADEKA MEVALONOLACTONE	Mevalonolactone, Phenoxyethanol	甲瓦龙酸内酯、苯氧乙醇
	ADEKA MEVALONIM ACID	Mevalonolactone	甲瓦龙酸内酯

\* Please ask our sales section for more detail.

The descriptions of the products of cosmetic ingredients in this information are the characteristics of cosmetic ingredients, and the experimental data are measured values as cosmetic ingredients. And it does not guarantee the efficacy or safety of the finished cosmetic product. Please be careful not to quote or reproduce the advertisement

	Product Name	INCI Name	China INCI
Functional Ingredient for toiletries	ADEKA CARPOL MD-100	Tetrahydroxypropyl Ethylenediamine	四羟丙基乙二胺
	ADEKA COL CC-36	PPG-25 Diethylmonium Chloride	PPG-25 二乙基氯化铵
	ADEKA COL CC-42	PPG-40 Diethylmonium Chloride	—
	ADEKA CATIOACE PD-50	Polyquaternium-6、Water	聚季铵盐-6、水
	ADEKA NOL L-31	Poloxamer 101	泊洛沙姆 101
	ADEKA NOL L-34	PEG/PPG-16/17 Copolymer	—
	ADEKA NOL L-44	PEG/PPG-20/20 Copolymer or Poloxamer 124	泊洛沙姆 124
	ADEKA NOL L-61	PEG/PPG-5/30 Copolymer or Poloxamer 181	泊洛沙姆 181
	ADEKA NOL L-64	PEG/PPG-25/30 Copolymer or Poloxamer 184	PEG/PPG-25/30 共聚物 or 泊洛沙姆 184
	ADEKA NOL L-72	Poloxamer 212	—
	ADEKA NOL L-101	Poloxamer 331	泊洛沙姆 331
	ADEKA NOL L-121	Poloxamer 333	—
	ADEKA NOL P-84	Poloxamer 234	泊洛沙姆 234
	ADEKA NOL P-85	Poloxamer 235	泊洛沙姆 235
	ADEKA NOL P-103	Poloxamer 333	—
	ADEKA NOL F-68	PEG/PPG-150/30 Copolymer or Poloxamer 188	PEG/PPG-150/30 共聚物 or 泊洛沙姆 188
	ADEKA NOL F-88	Poloxamer 238	泊洛沙姆 238
	ADEKA NOL F-108	PEG/PPG-300/55 Copolymer or Poloxamer 338	PEG/PPG-300/55 共聚物 or 泊洛沙姆 338
	ADEKA NOL TR-701	Poloxamine 701	泊洛沙胺 701
	ADEKA NOL TR-702	Poloxamine 702	—
ADEKA NOL TR-704	Poloxamine 704	—	
Nonionic Surfactants	ADEKA TOL LA series	Laureth-XX *	月桂醇聚醚-XX *
	ADEKA TOL LB-93	PPG-3-Laureth-9	—
	ADEKA TOL TN series	Trideceth-XX *	十三烷醇聚醚-XX*
	ADEKA TOL SO series	C12-14 Sec-Pareth-XX *	C12-14 仲链醇聚醚-XX *
	ADEKA TOL OA-7	Oleth-7	油醇聚醚-7
	ADEKA ESTOL S-60	Sorbitan Stearate	山梨坦硬脂酸酯
	ADEKA ESTOL S-80	Sorbitan Oleate	山梨坦油酸酯
	ADEKA ESTOL T-82	Polysorbate 80	聚山梨醇酯-80
	ADEKA ESTOL OEG-102	PEG-5 Oleate	—
	ADEKA ESTOL OEG-106	PEG-14 Oleate	—

\* Please ask our sales section for more detail.

	Product Name	INCI Name	China INCI
Nonionic Surfactants	ADEKA SOL CO	Cocamide DEA (and) Diethanolamine	—
	ADEKA SOL COA	Cocamide DEA	椰油酰胺 DEA
Amphoteric Surfactants	ADEKA AMPHOTE PB-30L	Lauramidopropyl Betaine	月桂酰胺丙基甜菜碱
	ADEKA AMPHOTE AB-35L	Lauryl Betaine	月桂基甜菜碱
Anionic Surfactants	ADEKA HOPE YES-25	Sodium Laureth Sulfate	月桂醇聚醚硫酸酯钠
	ADEKA HOPE MS-30C	Sodium Myristyl Sulfate	肉豆蔻醇硫酸酯钠
	ADEKA COL EC-8600	Diethylhexyl Sodium Sulfosuccinate	磺基琥珀酸二乙基酯钠
	ADEKA NOL AP-1240E	Sodium Lauroyl Hydrolyzed Collagen	月桂酰水解胶原钠

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