



a company of **samyang**



Company Overview



USD 84 M
Revenue



2 Factories,
3 Warehouses



>200
Customers



48
Countries



126
Products



BTMS, BTAC, PQ-10
Global #3 Products



15,000 MT/Y
Capacity



182
Employees

Certificates

Regulation



EU **REACH** Regulation



Halal Certification



COSMOS Approved

Quality Certification



ISO 9001
Quality management



EFfCI
The European Federation for
Cosmetic Ingredient



World Class Product of Korea

Corporate Social Responsibility



RSPO
Roundtable on
Sustainable Palm Oil



CDP
Carbon Disclosure Project



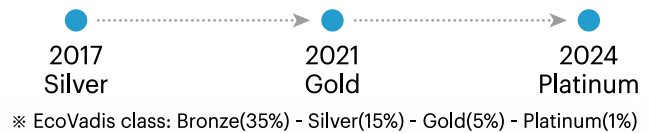
ISO 14001
Environmental Management
System



ISO 45001
Occupational Health and
Safety Management System



Ecovadis (PLATINUM)
CSR assessment



Product Overview



Conditioning Polymers

PQ-10 & Guar Polymer

It is used in personal care products such as shampoo and body wash. It acts as a thickener and conditioning agent in hair care products to give a smooth and soft feeling and improve the ease of combing.



Cationic agents

BTAC, BTMS

It is commonly used in hair conditioning products, to help prevent static and repair dry, damaged hair, and as an emulsifier in skin care formulations.



Methyl Gluceth Derivatives

Methyl Gluceth & ester

It is derived from corn-based methyl glucoside. It is less irritating than other ingredients and is environmentally friendly. It can be used as a moisturizer, emollient and surfactant depending on the type of derivative.



MPC Derivatives

Hydroquat & Icare series

It is used for moisturizing in various personal care products. It attracts moisture in the air or creates a film to prevent moisture evaporation to maintain moisture and moisturizing feeling.



Rheology Modifiers

Acecare & Hydrojel series

It is mainly used to improve the usability and stability of formulations by imparting effects related to thickening of various personal care products.



Emollients

Fatty acid esters

As a lipophilic substance, it is used to soften skin or hair and increase gloss. And it is also used as a solvent for sunscreen or as a dispersion of oil and inorganic pigments and pigments.



Emulsifiers

Multicare & PGL esters

It is an ingredient for uniformly mixing and maintaining water and various emulsions. It is used for phase stability of the formulation. A wide range of HLBs enables multiple formulation applications.


















Active Delivery Enhancer

Dimethyl Isosorbide

It is clear liquid solvent derived from corn. It is effective in the delivery of Active ingredients. It is used to improve the function of active ingredients or reduced the ingredients used. And less irritating than common solvents.

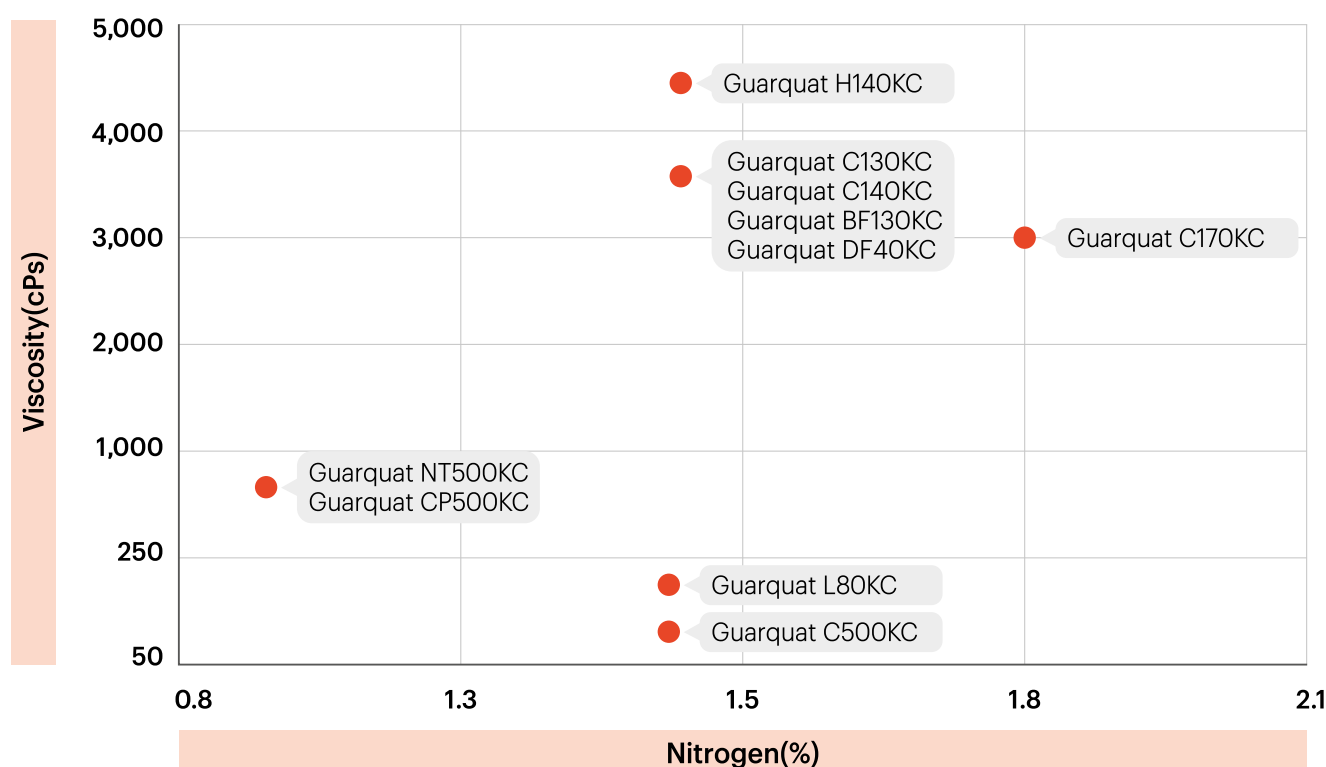
Conditioning Polymer

Conditioning polymers are commonly used in personal care products like shampoos, conditioners, styling products, and shower gels. They play a vital role by providing conditioning, moisturizing, and antistatic effects as well as improving wet & dry combing. They help improve the overall appearance, feel, and manageability of the hair, making them crucial in a wide range of formulations.

Product Name	Certification	INCI	Typical Properties			Application															
			Form	Nitrogen (%)	Viscosity (cPs)	Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen	Make-up								
Polyquta 125KC	 	Polyquaternium-10	Powder	1.7 - 2.2	75 - 175	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>								
Polyquta 400KC					300 - 500																
Polyquta 400KC (NON-GMO)					300 - 500																
Polyquta 1000KC				1.4 - 1.8	1,000 - 1,400																
Polyquta 3000KC				1.7 - 2.2	1,000 - 2,500																
Polyquta LR400KC				0.8 - 1.2	300 - 500																
Polyquta LR3000KC					1,000 - 2,500																
Polyquta HR3000KC					1,000 - 2,500																
Neoquta 400KC			Granule	1.7 - 2.2	300 - 500																
Neoquta 3000KC					1,000 - 2,500																
Polyquat L420KC		Polyquaternium-4	Powder	1.6 - 2.4	35 - 350		<div></div>	<div></div>													
Polyquat L630KC <div>NEW</div>	 	Polyquaternium-6	Liquid	-	1,500 - 6,000	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>								
Polyquat 640KC				-	8,000 - 12,000			<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>								
Guarquat C80KC <div>NEW</div>	 	Guar Hydroxypropyl trimonium Chloride	Powder	1.4 - 1.8	200 - 400	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>								
Guarquat C130KC				1.3 - 1.6	3,000 - 4,000																
Guarquat C140KC				1.3 - 1.7																	
Guarquat H140KC				1.25 - 1.55	4,000 - 5,000																
Guarquat L80KC				1.1 - 1.6	150 - 250																
Guarquat BF130KC				1.3 - 1.6	3,000 - 4,000																
Guarquat DF140KC				1.3 - 1.7																	
Guarquat NT500KC				0.9 - 1.5	300 - 1,000																
Guarquat CP500KC		Hydroxypropyl Guar Hydroxypropyltrimonium Chloride		0.8 - 1.4																	
Guarquat C500KC	 	Guar Hydroxypropyl trimonium Chloride		1.45 - 1.75	25 - 65									<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
Guarquat C170KC				1.5 - 2.1	2,000 - 4,000																
Guarquat HP105KC		Hydroxypropyl Guar		NA	2,500 - 4,500																
<div> Halal Certification</div> <div> RSPO</div> <div> COSMOS Approved</div> <div> China Compliant</div>																					



























Guar Polymer





Product	Halal	COS MOS	China	Cationic Charge	Molecular weight	Clarity	Applications
Guarquat C140KC	✓	✓	✓	Medium	High	Opaque	Daily shampoo High conditioning
Guarquat H140KC		✓	✓	Medium	High	Opaque	
Guarquat DF140KC		✓	✓	Medium	High	Opaque	
Guarquat C130KC	✓	✓	✓	Medium	High	Opaque	Daily shampoo with self hydrating
Guarquat BF130KC		✓	✓	Medium	High	Opaque	
Guarquat C170KC			✓	High	High	Opaque	Daily shampoo with high active deposition Antidandruff shampoo, Rinse off conditioners
Guarquat L80KC	✓	✓	✓	Medium	Low	Opaque	Daily shampoo with low viscosity
Guarquat C500KC			✓	Medium	Low	Opaque	
Guarquat NT500KC		✓	✓	Medium	Medium	Transparent	Daily shampoo Transparent shampoo Silicon free shampoo Transparent Body washes, styling gels
Guarquat CP500KC			✓	Medium	Medium	Transparent	
Guarquat HP105KC			✓	None	High	Opaque	Transparent Body washes, styling gels


Hair Conditioning Agent


Conditioning agents constitute a vital category of ingredients in hair and skincare products. Renowned for their conditioning properties, these products excel in enhancing hair texture, facilitating detangling, and boosting overall hair wellness. Beyond haircare, they also find utility in selected skincare formulations, contributing to emulsification and conditioning.

Product Name	Certification	INCI	Typical Properties		Application						
			Form	Active Substance (%)	Shampoo	Hair Conditioner	Hair Styling	Skin cream/lotion	Facial cleanser		
BTAC P7580KC	 	Behentrimonium Chloride & Isopropanol	Pellet	78 - 84							
BTAC D7570KC		Behentrimonium Chloride & Dipropylene Glycol		68 - 70							
BTAC 220KC		Behentrimonium Chloride & Propylene Glycol	White paste	25 - 27							
BTAC 228KC	Behentrimonium Chloride & Ethanol	Pellet	79 - 81								
BTAC PF4050 (RSPO MB)	 		35 - 45								
BTAC PF4060KC	 		35 - 45								
BTAC PF4060KC (RSPO MB)	 		35 - 45								
BTMS P8580KC	Behentrimonium Methosulfate & Isopropyl Alcohol		78 - 82								
BTMS 7550KC	 		Behentrimonium Methosulfate & Cetyl Alcohol & Butylene Glycol	48 - 51							
BTMS C7550KC	Behentrimonium Methosulfate & Cetyl Alcohol		48 - 51								
BTMS C7550KC (RSPO MB)	 		Behentrimonium Methosulfate & Cetyl Alcohol	48 - 51							
BTMS D7570KC 	 	Behentrimonium Methosulfate & Dipropylene Glycol	68 - 71								
BTMS E7550KC (RSPO MB)	 	Behentrimonium Methosulfate & Cetyl Alcohol & Stearyl Alcohol	48 - 51								
BTMS 225KC	 	Behentrimonium Methosulfate & Cetearyl Alcohol	23 - 26								
BTMS 225KC (RSPO MB)	 		23 - 26								
BTMS 225LKC											
STAC 80KC	 	Steatrimonium Chloride	Paste	64 - 66							
STAC 808KC			Pellet	79 - 82							
STAC D70KC 		Steartrimonium Chloride & Dipropylene Glycol		68 - 72							
CTAC 25KC	Liquid	24 - 26									
CTAC 30KC		29 - 31									
CTAC 60KC		24 - 26									
LTAC 20KC		Laurtrimonium Chloride	28 - 30	Fabric detergent & softener							

 Halal Certification

 RSPO


























 COSMOS Approved

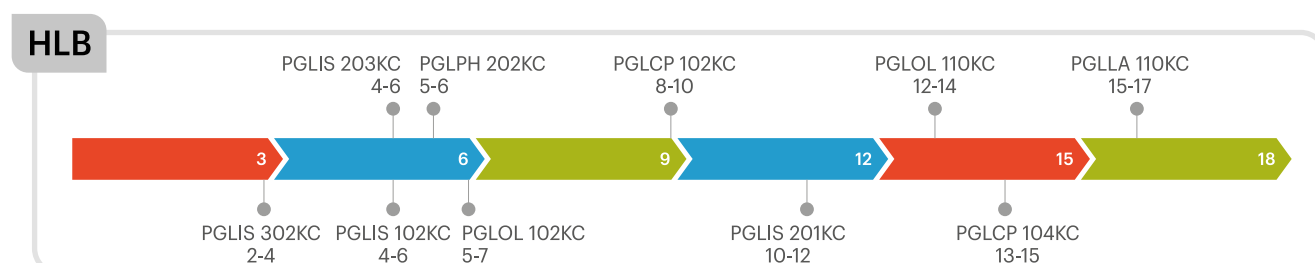
 China Compliant



PEG-Free Emulsifier & Solubilizer

Polyglyceryl Esters are highly valued for their remarkable abilities. Acting as emulsifiers, they ensure stable mixtures of water and oil-based ingredients, enhancing the overall texture and performance of products. Moreover, their solubilizing properties enable the dispersion of hydrophobic substances, ensuring even distribution and efficacy. Notably, these esters also excel as moisturizers, imparting hydration to the skin. Their compatibility with a diverse array of ingredients makes them versatile tools for formulators, while their biodegradable nature aligns with the increasing emphasis on sustainability.


Product Name	Certification	INCI	HLB	Form	Application							
					Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen	Make-up
PGLIS 302KC	 	Polyglyceryl-2 Triisostearate	2 - 4	Liquid								
PGLIS 203KC		Polyglyceryl-3 Diisostearate	4 - 6									
PGLIS 102KC		Polyglyceryl-2 Isostearate	4 - 6									
PGLPH 202KC		Polyglyceryl-2 Dipolyhydroxy Stearate	5 - 6									
PGLOL 102KC	 	Polyglyceryl-2 Oleate	5 - 7									
PGLCP 102KC		Polyglyceryl-2 Caprate	8 - 10									
PGLCP 102KC RSPO MB	  	Polyglyceryl-2 Caprate										
PGLIS 210KC		Polyglyceryl-10 Diisostearate	10 - 12									
PGLOL 110KC	 	Polyglyceryl-10 Oleate	12 - 14									
PGLLA 210KC		Polyglyceryl-10 Dilaurate	12 - 14									
PGLCP 104KC		Polyglyceryl-4 Caprate	13 - 15									
PGLLA 110KC		Polyglyceryl-10 Laurate	15 - 17									
 Halal Certification		 RSPO	 COSMOS Approved		 China Compliant							




Multifunctional Polymer – Emulsifier, Thickener & Texturizer


Multifunctional Polymers are commonly used in almost all kinds of personal care products. They are ready to use, pre-neutralized polymers that can be used in cold processes and can tolerate a wide range of pH levels. They are also able to emulsify almost all kinds of oils and gelate easily with moderate shear.

Product Name	Certification	INCI	Typical Properties		Application							
			Form	Active Substance (%)	Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen	Make-up
Multicare AM50KCS Soft, Rich	CHINA	Polyacrylamide & C13-14 Isoparaffin & Laureth-7	Liquid	45 - 49								
Multicare HA40KC Light, Fresh		Hydroxyethylacrylate/Sodium Acryloyldimethyltaurate Copolymer & Hydrogenated Polydecene & Polysorbate 80		26 - 30								
Multicare HA100LKC Light, Fresh		Hydroxyethylacrylate/Sodium Acryloyldimethyltaurate Copolymer	Powder	90 - 100								
Multicare ST45KC Light, Soft	Halal Certification RSPO CHINA	Sodium acrylate/Sodium Acryloyldimethyltaurate Copolymer & Isohexadecane & Polysorbate 80	Liquid	44 - 48								
Multicare MP40KC / Multicare MP40KC (RSPO MB) Soft, Smooth EO-free		Sodium Poly Acryloyldimethyl taurate & Dicaprylyl Ether & Polyglyceryl 10 Dilaurate		49 - 53								
Multicare MP100KC Soft, Smooth EO-free		Sodium Poly Acryloyl dimethyltaurate & Polyglyceryl 10 Dilaurate	Powder	90 - 100								
Multicare IAM50KC Soft, Rich	CHINA	Acrylamide/Sodium Acryloyldimethyltaurate Copolymer & Isohexadecane & Polysorbate 80	Liquid	45 - 49								
Multicare IHA40KC Light, Fresh		Hydroxyethylacrylate/Sodium Acryloyldimethyltaurate Copolymer & Isohexadecane & Polysorbate 60		35 - 50								
Multicare DA40KC Soft & Slippery EO-free		Polyquaternium-73 & Dicaprylyl Ether & Polyglyceryl 10 Dilaurate	Liquid	40 - 50								
Multicare MA50KC		Polyquaternium-37 & Propylene Glycol Dicaprylate/ Dicaprate & PPG-1 Trideceth-6	Liquid	48 - 52								

Halal Certification

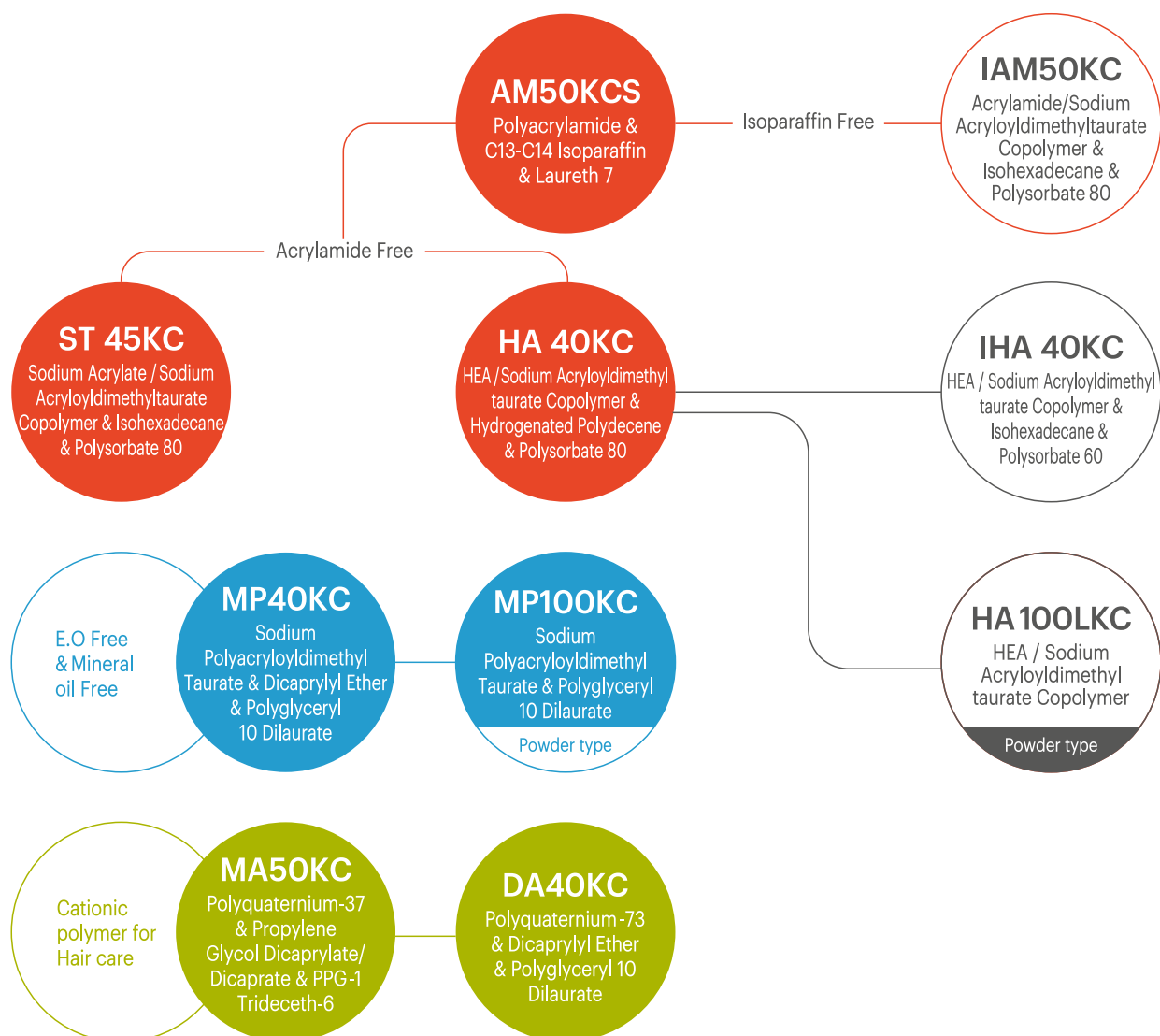
RSPO

COSMOS Approved

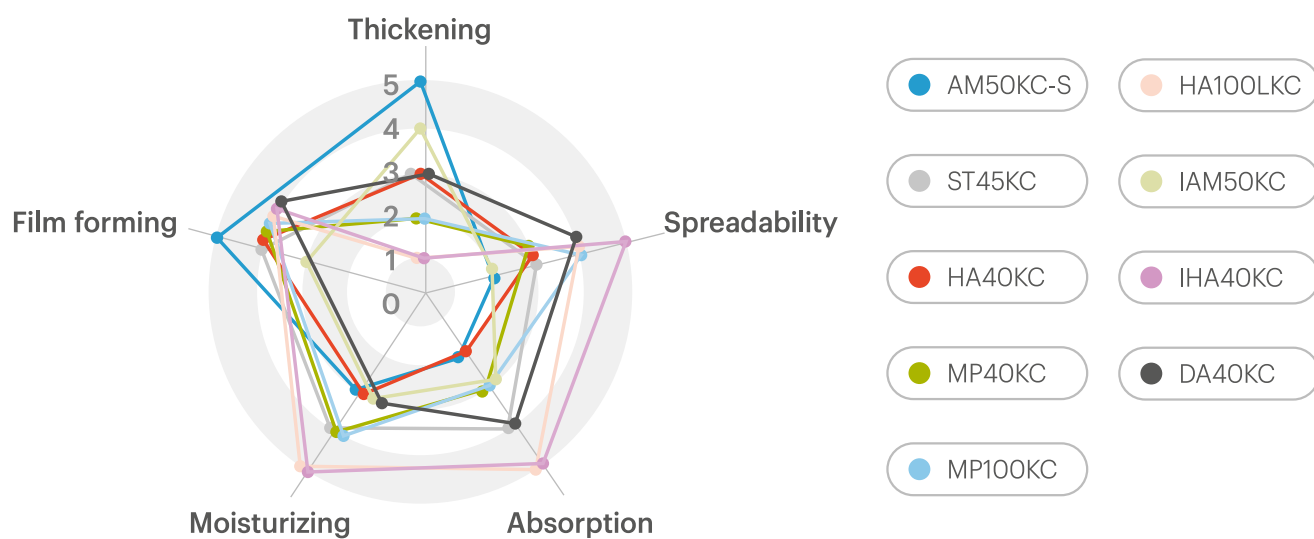
China Compliant



Emulsifying / Thickening Polymer (Multicare Series)








Select the polymer based on its sensory profile



Multifunctional Conditioning Agent – MPC Technology

MPC is a versatile compound used in skincare for its compatibility with human cell membranes. It acts as a potent hydrating agent, retaining moisture and promoting smooth skin. Additionally, MPC has anti-inflammatory properties, making it suitable for sensitive skin. Its multifaceted benefits make it a valuable ingredient in skincare & pharmaceutical formulations.

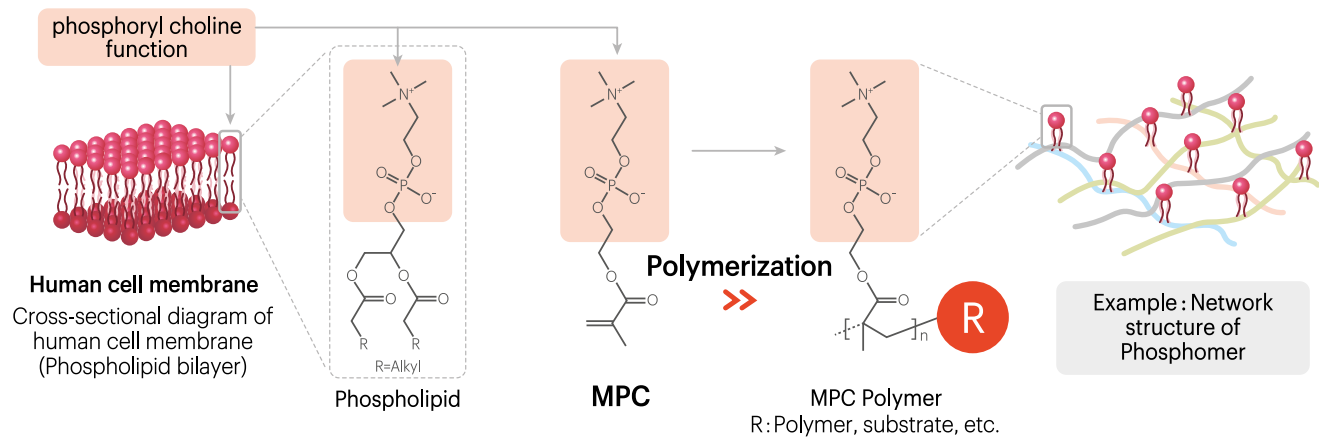
Product Name	Certification	INCI	Typical Properties		Application									
			Form	Preservative	Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen	Make-up		
Hydroquat™ 510KC		Polyquaternium-51	Liquid	Phenoxyethanol										
Hydroquat™ 510STKC				Phenoxyethanol										
Hydroquat™ 510HDKC				1,2-Hexanediol										
Hydroquat™ 510BHKC				1,2-Hexanediol										
Hydroquat™ 510NPKC				N/A	●	●	●	●	●	●	●	●		
Hydroquat™ PM50BPKC		Polyphosphorylcholine Glycol Acrylate	Liquid	Phenoxyethanol										
Hydroquat™ PM50HDKC				1,2-Hexanediol										
Phosphomer® CELLOPC40CNKC			Hydroxyethylcellulose & Polyphosphorylcholine Glycol Acrylate	Powder	N/A									
Phosphomer® CELLOPC401CNKC				Liquid	Phenoxyethnaol									
<div><div> Halal Certification</div><div> RSPO</div><div> COSMOS Approved</div><div> China Compliant</div></div>														

Medical: Eye Care & Pharmaceutical

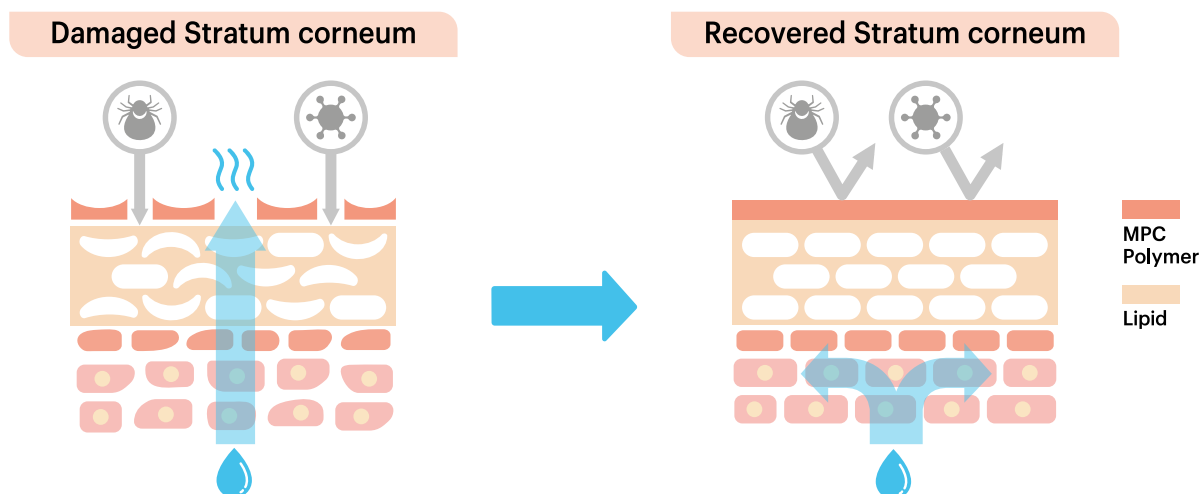
Product Name	Function	Features/Benefits	Form
Icare B50KC	Protein absorption inhibitor & moisturizer for contact lens solutions	Superior biocompatibility of MPC technology enables to expand the applications from cosmetics to eye care & medical areas [Soft contact lens with MPC] - Superior moisturizing effect - Protein absorption inhibition - Improving fitting sensory - Hydrophilic surface formation	Liquid
Icare M100KC	MPC monomer for contact lens		Solid
Medicare M100KC	MPC monomer for medical devices		

MPC Polymer

MPC : 2-Methacryloyloxyethyl Phosphoryl Choline

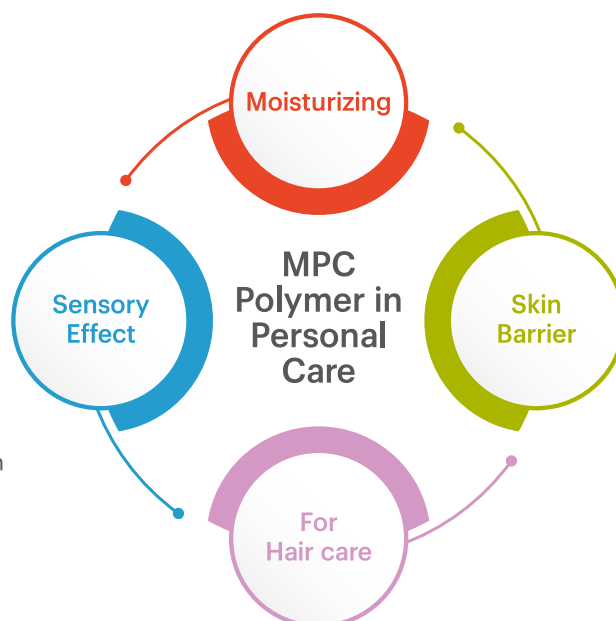


Recovering Mechanism of MPC Polymer on Skin



- Strong water absorption
- Keeping water
- High moisture-binding capacity
- Long time duration of moisture content

- High spread ability
- High film forming ability
- Good adhesion to the skin
- Low stickiness and reduce oily
- Make smooth skin without dryness













- Protect skin from outside materials
- Improvement of stratum corneum
- Suppress skin irritation by surfactant

- Moisturizing
- Anti static electricity effect
- Restoration of damaged hair
- Protection of discoloration of dyed hair










Natural Based Moisturizer & Skin Conditioning Agent

These ingredients are sought-after for their ability to deeply hydrate the skin while simultaneously enhancing its texture and appearance. Acting as humectants, they attract moisture and bind it to the skin, providing long-lasting hydration and improving skin elasticity. Moreover, their natural origins and gentle nature make them suitable for a wide range of skin types, including sensitive skin. When included in formulations, skincare products can effectively nourish and rejuvenate the skin, also meeting the requirements safe and sustainable skincare solutions.

Product Name	Certification	INCI	Form	Application							
				Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen	Make-up
PGL 202KC	 	Diglycerin	Liquid								
PGL 202KC (RSPO MB)	 	Diglycerin									
PGL 103KC	 	Polyglycerin-3									
PGL 104KC		Polyglycerin-4									
PGL 106KC		Polyglycerin-6			●	●	●	●	●	●	●
PGL 110KC	 	Polyglycerin-10									
Methyl Gluceth E10KCH		Methyl Gluceth-10									
Methyl Gluceth E20KC		Methyl Gluceth-20									
Methyl Gluceth P20KC		PPG-20 Methyl Glucose Ether									

Rheology Modifier







Rheology modifiers are essential for controlling how cosmetic products feel and behave. They ensure that products spread smoothly and evenly when applied and thicken formulations like creams and gels. Products such as PEG-18 glyceryl Oleate/Cocoate and PEG-120 Methyl Glucose Dioleate prevent ingredients from separating and help maintain a consistent texture. By managing the flow properties of cosmetics, these modifiers enhance their performance, texture, and overall user experience, meeting the varied expectations of consumers across different product types like creams, lotions, and serums.

Product Name	Certification	INCI	Form	Application							
				Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen	Make-up
Acecare 30KC/ F30KC	 	Acrylates Copolymer	Liquid	●	●	●	●	●	●	●	●
Glyco 171KC		PEG-18 Glyceryl Oleate/Cocoate		●	●	●	●	●	●		
Methyl Gluceth DOE 120KC	 	PEG-120 Methyl Glucose Dioleate	Flake								
Methyl Gluceth DOE 120KC RSPO MB	  			●	●	●	●	●	●		
Methyl Gluceth DOE A120KC											
Phosphomer® CEM510CNKC		Carbomer & Polyphosphorylcholine Glycol Acrylate	Powder	●	●	●	●	●	●	●	●
Phosphomer® ST610CNKC		Acrylates/C10-30 Alkyl Acrylate Crosspolymer & Polyphosphorylcholine Glycol Acrylate		●	●	●	●	●	●	●	●






Natural Emollient

Natural emollients are key components in skincare formulations, offering moisturizing and softening properties. These ingredients mimic the skin's natural oils, forming a protective barrier that locks in moisture and prevents dehydration. They provide lightweight hydration without greasiness, leaving the skin feeling smooth and silky. Some emollients enhance the spreadability of products and aid in the absorption of active ingredients. Altogether, these natural emollients nourish and replenish the skin.

Product Name	Certification	INCI	Form	Application							
				Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen	Make-up
CEH 100KC	 	Cetyl Ethylhexanoate	Liquid								
GCC 300KC		Caprylic/Capric Triglyceride									
GEH 300KC		Triethylhexanoin									
HL 100KC		Hexyl Laurate									
ININ 100KC		Isononyl Isononanoate									
ICEH 100KC		Isocetyl Ethylhexanoate									
ICM 100KC		Isocetyl Myristate									
ODM 100KC	 	Octyldodecyl Myristate									
PETEH 400KC		Pentaerythrityl Tetraethylhexanoate									
NPDC 200KC		Neopentyl Glycol Dicaprate									

Natural Based Moisturizer



Natural moisturizers have exceptional hydrating properties, attracting and retaining moisture within the skin, helping to maintain optimal hydration levels, and promoting a smooth, supple complexion. By forming a protective barrier, Hydrojel helps to prevent moisture loss and strengthen the skin's natural moisture barrier. With its natural composition, Hydrojel provides effective moisturization without the use of harsh chemicals, making it suitable for a wide range of skin types.

Product Name	Certification	INCI	Typical Properties		Application							
			Form	Viscosity (cPs)	Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen	Make-up
Hydrojel CGKC/ Hydrojel CGKC(RSPO MB)	  	Glycerine and Glyceryl Acrylate / Acrylic Acid Copolymer and Propylene Glycol	Gel/ Liquid	200K-400K								
Hydrojel MSKC/ Hydrojel MSKC(RSPO MB)		Glycerine and Glyceryl Acrylate / Acrylic Acid Copolymer and Propylene Glycol		250K - 350K								
Hydrojel MFKC/ Hydrojel MFKC(RSPO MB)		Glycerine and Glyceryl Acrylate / Acrylic Acid Copolymer		200K - 400K								
Hydrojel PFKC/ Hydrojel PFKC(RSPO MB)		Glycerine and Glyceryl Acrylate / Acrylic Acid Copolymer and Water		250K - 350K								
Hydrojel MPFKC/ Hydrojel MPFKC(RSPO MB)		Glycerine and Glyceryl Acrylate / Acrylic Acid Copolymer and 1,2-Hexanediol		900K - 1200K								
Hydrojel DVKC/ Hydrojel DVKC(RSPO MB)		Glycerin and Glyceryl Acrylate / Acrylic Acid Copolymer and Propylene Glycol										
Hydrojel DPFKC/ Hydrojel DPFKC(RSPO MB)		Glycerine and Glyceryl Acrylate / Acrylic Acid Copolymer and 1,2-Hexanediol	Liquid	500 - 1600								
Hydrojel OILKC/ Hydrojel OILKC(RSPO MB)		Glycerin and Glyceryl Acrylate / Acrylic Acid Copolymer and Propylene Glycol and PVM/MA Copolymer										
Hydrojel OILPFKC/ Hydrojel OILPFKC(RSPO MB)		Glycerin and Glyceryl Acrylate / Acrylic Acid Copolymer and 1,2-Hexanediol and PVM/ MA Copolymer and Water										




Natural Oil & Sugar-Based Moisturizer

Natural oil and sugar-based moisturizers offer a blend of nourishing and hydrating properties for the skin. The natural oils provide essential fatty acids and antioxidants, deeply moisturizing and protecting the skin from environmental stressors. Meanwhile, the sugar-based moisturizers act as humectants, attracting moisture to the skin and promoting long-lasting hydration. Together, these natural ingredients create a potent moisturizing blend, leaving the skin soft, smooth, and replenished.

Product Name	Certification	INCI	Typical Properties		Application							
			Form	Viscosity (cPs)	Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen	Make-up
Canola 100KC		Canola Oil	Liquid									
Coconut 100KC		Cocos Nucifera (Coconut) Oil	Solid									
Sunflower 100KC		Helianthus Annuus (Sunflower) Seed Oil	Liquid		●	●	●	●	●	●	●	●
Allulose 70KC		D-Psicose	Liquid	50 - 200								
FOS 75KC		Fructo-oligosaccharides		2,000 - 4,000								
Maltitol 70KC		Maltitol										

Natural Foam Booster

Natural foam booster, enhance cleansing in skincare products. Derived from soybean oil, it improves lather formation and foam stability in cleansers and shampoos. Gentle yet effective, it thoroughly removes dirt and oil, leaving the skin refreshed. With its natural origin and cleansing efficacy, it elevates the skincare experience, meeting the demands for efficient and natural solutions.

Product Name	Certification	INCI	Typical Properties		Application					
			Form	Active Substance (%)	Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser
Amidox SO30KC		Soyamidopropylamine Oxide	Liquid	28 - 30	●	●		●		●

Active Delivery Enhancer & Solvent

DMI serves as both an active delivery enhancer and solvent in skincare formulations, ensuring excellent performance, especially with DHA. It aids in the penetration of active ingredients into the skin, enhancing their effectiveness, while also serving as a solvent to decrease viscosity. Its multifunctional role makes it indispensable in skincare products, optimizing ingredient delivery for superior results.

Product Name	Certification	INCI	Typical Properties		Application						
			Form	Active Substance (%)	Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen
Kleensolve™ DMI	 NEW	Dimethyl Isosorbide	Liquid	98% Min.			●	●	●	●	●



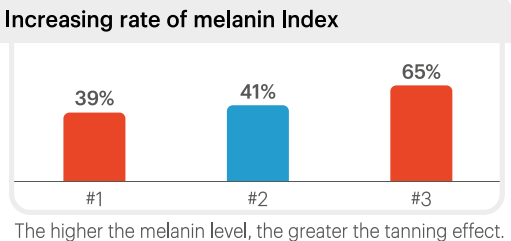
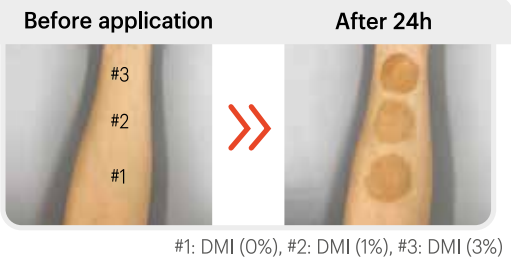
Active Delivery Enhancer & Solvent DMI - Dimethyl Isosorbide

DMI boosts tanning effect of DHA

- When using a self-tanning agent containing DHA 5%, the tanning effect starts after 2 hours.
- The tanning effect of the formulation with a mix of DHA and DMI is greater than the formulation with only a DHA.
- DMI can reduce the content of DHA (EWG 3 grade) in the formulation and develop more safer and more effective self-tanning formulations.

Method

- Prepare a self-tanning cream formulation containing 5% of DHA (Dihydroxyacetone for self-tanning) and DMI.
- Apply to the inside of the forearm.
- Measure the melanin level after 24 hours.

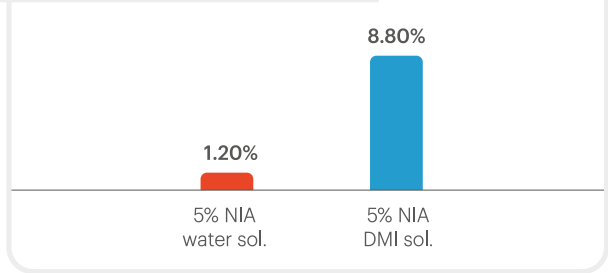


Skin penetration of the active ingredient is higher in DMI solution. Using water-soluble ingredients, DMI can effectively dissolve and penetrate active ingredients.

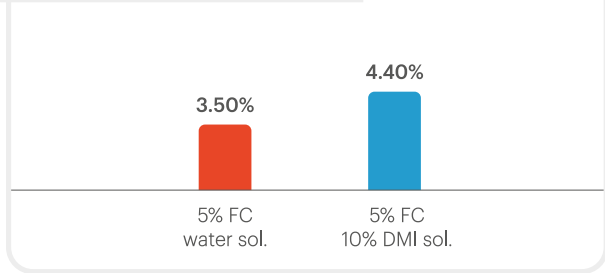
Test ingredient	Solvent	Skin penetration test results
Niacinamide(NIA) 5%	Water	1.2%
	Kleensolve DMI	8.8%
Fish collagen (500Da) 5%	Water	3.5%
	Kleensolve DMI	4.4%

Tested by Franz diffusion cell

Penetration rate of NIA



Penetration rate of FC

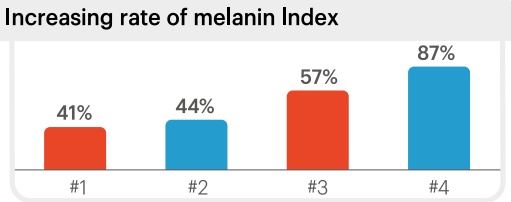
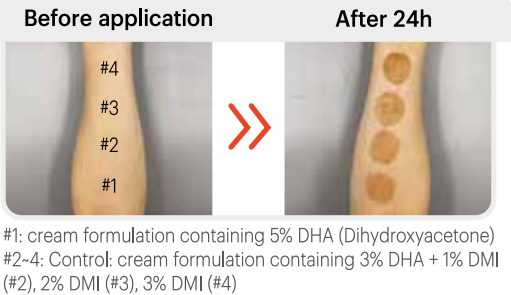


The use of DMI reduces the content of the DHA in formulation, but the tanning effect increases

- Tanning effects in mixed formulations of 3% DHA and DMI were better than formulations using 5% DHA alone.






Method

- Prepare a self-tanning cream formulation containing 5% of DHA (#1)
- Prepare a self-tanning cream formulation containing 3% of DHA with 1-3% of DMI. (#2-4)
- Apply to the inside of the forearm.
- Measure the melanin level after 24 hours.









Preservative

CIT & MIT act as broad-spectrum preservatives, providing protection against bacteria, fungi, and yeast. Similarly, DMDM hydantoin works to prevent microbial growth, ensuring product integrity over time.

Product Name	Certification	INCI	Typical Properties		Application							
			Form	Active Substance (%)	Shampoo	Hair Conditioner	Hair Styling	Shower gel	Skin cream/lotion	Facial cleanser	Sunscreen	Make-up
Preser 150KC / 150KCJ	 	Methylchloroisothiazolinone and Methylisothiazolinone (CIT & MIT)	Liquid	1.3 - 1.7 / 1.46-1.54	<div></div>	<div></div>	<div></div>	<div></div>				
Hydantol 30KC		DMDM Hydantoin		28 - 32	<div></div>	<div></div>	<div></div>	<div></div>				
Hydantol 55KC	 			54 - 56	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	

Resin For Nail Polish

Our resin products create a strong film on the nail surface, providing long-lasting wear and chip resistance. Additionally, they enhance the polish's adhesion and glossiness, ensuring a high-performance finish.

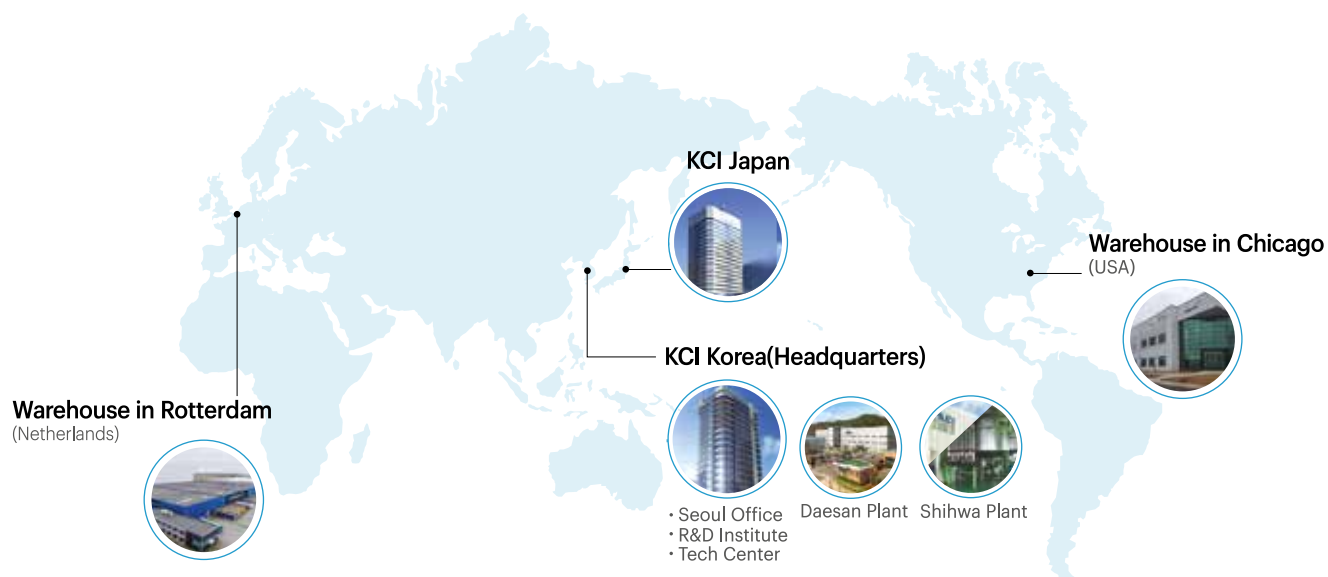
Product Name	Certification	INCI	Typical Properties		Application
			Form	Active Substance (%)	Nail polish
Polyester Resin 70KC	 	Adipic Acid/Neopentyl Glycol/Trimellitic Anhydride Copolymer and Butyl Acetate	Liquid	68 - 72	
Polyester Resin 100KC		Adipic Acid/Neopentyl Glycol/Trimellitic Anhydride Copolymer	Solid	Abt. 100	
Resin 658KC		Toluenesulfonamide Formaldehyde Resin and Butyl Acetate	Liquid	78 - 81.5	
Resin KHP		Toluenesulfonamide Formaldehyde Resin	Solid	99.5 Min.	
<div><div>Halal Certification</div><div>RSPO</div><div>COSMOS Approved</div><div>China Compliant</div></div>					

Industrial: Enhanced Oil Recovery

Tallamide DEA is an efficient enhanced oil recovery (EOR) agent, facilitating oil extraction from reservoirs. As a surfactant, it reduces interfacial tension between oil and water, aiding in oil displacement and mobilization. Additionally, its emulsifying properties assist in forming stable emulsions for efficient extraction. With its effectiveness in improving oil recovery rates, it plays a vital role in maximizing petroleum extraction from reservoirs.

Product Name	Certification	INCI	Features/Benefits	Form
TAMID DEA501KC		TALLAMIDE DEA	O/W Emulsifier Foam Booster, Viscosity Builder Good Detergency	Liquid

Location



We have been supplying a wide range of cosmetic ingredients to more than 200 customers in 48 countries across the world, including most of prominent multinational companies.

Solution Studio



We provide

1. New Formulation Proposals for Clients
2. Product Customization based on specific requirements
3. Lab Trainings / Technical Seminars

Please contact jinsun.lee1@samyang.com or visit our website <https://www.kciltld.com> for further information or inquiry on our Solution services.

**Seoul Office**

18th Floor, Hanhwa Biz Metro II, 43-14, Gasandigital 2-ro, Geumcheon-gu, Seoul, Korea
Tel: +82-2-784-1480 Fax: +82-2-784-9018

Daesan Plant

221, Daejuk 1-ro, Daesan-eup, Seosan-si, Chungcheongnam-do

Shihwa Plant

(Shihwagongdan 1Ro 708) 87, Gongdan 1-daero 28beon-gil, Siheung-si, Gyeonggi-do

KCI Japan

9F Makuhari Techno Graden B 1-3 Nakase Mihama-ku Chiba 261-8501, Japan