



Personal Care Solutions Guide

Asia-Pacific

Pearling Agents

GLYCOL ESTERS

PRODUCT NAME	INCI	ACTIVES %	FORM	PROPERTIES & APPLICATIONS
Alkamuls® EGDS 504/V	Ethylene Glycol Distearate	96*	Flakes	Provides excellent pearl effect to surfactant compositions. It is fully compatible with anionic, cationic, non-ionic and amphoteric surfactants. It helps provide body to creams and lotions. Used widely in liquid body washes, hair shampoos and conditioners, as well as skin care lotions and creams.
Mackester™ EGMS	Ethylene Glycol Monostearate	50**	Flakes	Provides intense and stable pearly sheen to shampoos and liquid soaps. It is also used as an emulsion stabilizer and bodying agent in these systems. When used in creams and lotions, it imparts a soft as well as smooth skin feel.

*Active = % Di-esters

**Active = % Mono-esters



Hair Care

NATURAL BASED CONDITIONING AGENTS

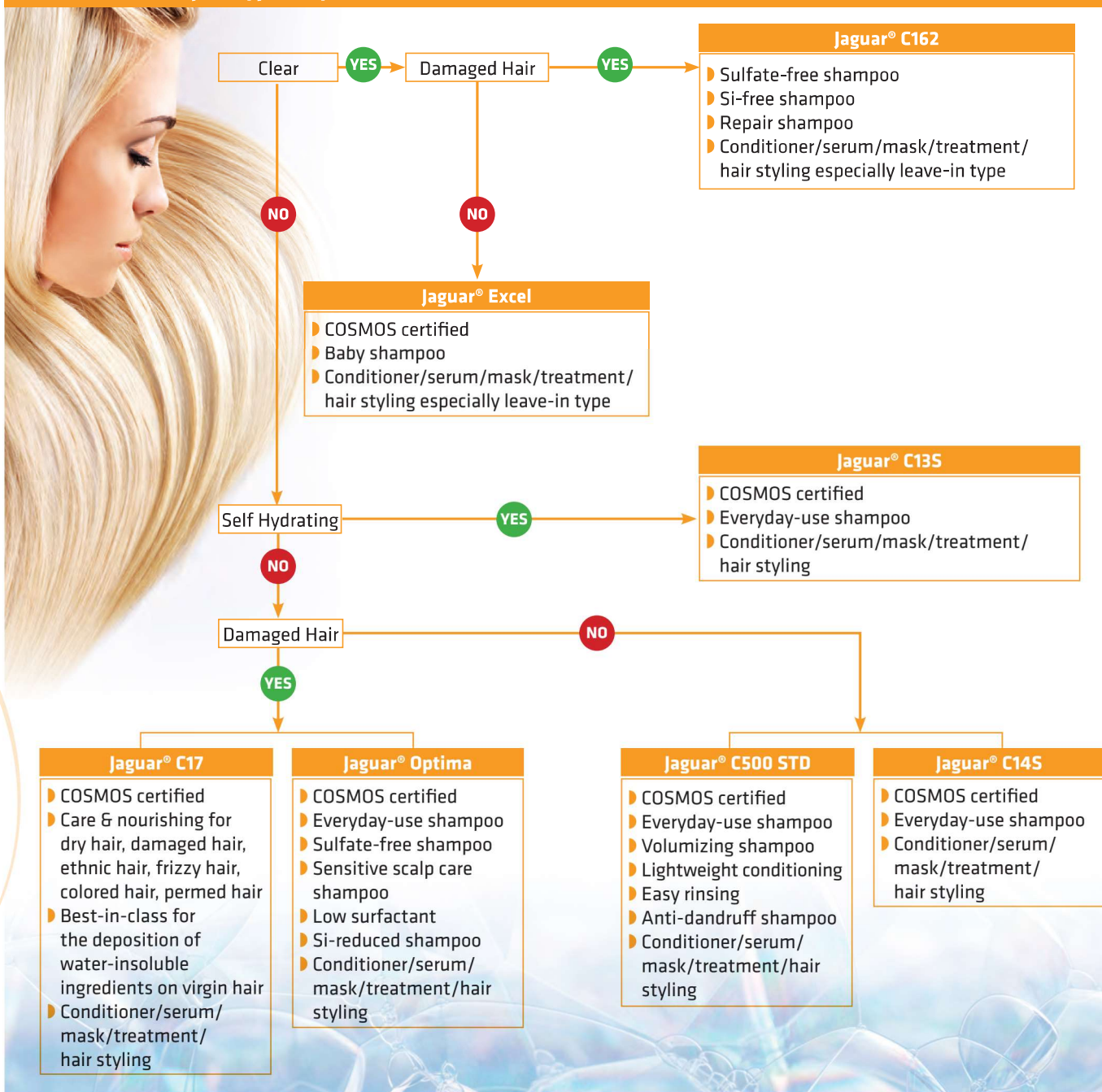
PRODUCT NAME	INCI NAME	PHYSICAL FORM	SOLIDS %	PROPERTIES & APPLICATIONS
Jaguar® C-14S	Guar Hydroxypropyltrimonium Chloride	Powder	100	Substantive to hair and skin. Provides good wet combing and detangling benefits. Delivers excellent dry hair benefits (detangling, softness, suppleness, shine ...) when combined with insoluble conditioning agents (e.g. dimethicone, vegetable oils or butters)
Jaguar® C-13S	Guar Hydroxypropyltrimonium Chloride	Powder	100	Self-hydrating version of Jaguar® C-14S
Jaguar® C17	Guar Hydroxypropyltrimonium Chloride	Powder	100	Highly substantive to hair and skin. Recommended for high conditioning shampoos and moisturizing body washes. Enhances deposition of actives such as silicone, anti-dandruff agents and moisturizing oils.
Jaguar® C500	Guar Hydroxypropyltrimonium Chloride	Powder	100	Non-ecotoxic light conditioning performance with enhanced wet combability and squeaky clean hair feel. Recommended for fine hair and volumizing shampoo.
Jaguar® C162	Hydroxypropyl Guar Hydroxypropyltrimonium Chloride	Powder	100	A unique non-ecotoxic transparent conditioning polymer for hair and skin. Jaguar® C162 delivers key benefits for formulators and consumers such as rich and creamy foam, substantivity on hair and skin, moisturized skin feel, improved actives delivery. Jaguar® C162 is ideal for body washes, and for chemically damaged hair.
Jaguar® Excel	Guar Hydroxypropyltrimonium Chloride	Powder	100	Clear grade with good wet combing and detangling benefits. Recommended for medium conditioning and feel, baby shampoo and body wash, 2-in-1 cleansers.
Jaguar® Optima	Guar Hydroxypropyltrimonium Chloride	Powder	100	Excellent conditioning in silicone-free formulations, delivers improved foam, wet and dry combing and hair softness and suppleness without generating build-up or weighing down. Excellent conditioning performance in sulfate-free formulations. Improved deposition of insoluble oils.

Cationic Jaguar® Decision Tree For Hair Care Products

- ▶ All cationic guar grades are from natural plant origin
- ▶ All cationic guar grades bring smooth slippery feel on wet hair
- ▶ In shampoo applications, conditioning is delivered via polymer adsorption and flocculation
- ▶ In shampoo formulations, all cationic guar grades will help to bring abundant white and shiny foam
- ▶ In conditioner/serum/mask/treatment/hair styling applications, conditioning is delivered due to polymer adsorption



What shampoo type do you want to formulate?



Hair Care

CHLORINE QUATERNARY AMMONIUM SURFACTANT

PRODUCT NAME	INCI NAME	PHYSICAL FORM	SOLIDS %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Fentacare® 1631 30	Cetrimonium Chloride	Liquid	30	Standard cationic surfactant used in rinse-off conditioner and hair mask. Highly substantive on the hair, it brings excellent conditioning properties especially on the tips. Good emulsifying properties. The low active is used in shampoos and leave-on sprays for its anti-static properties.	Free
Fentacare® 1631 37.5			37.5		
Fentacare® 1631 E50			50		
Fentacare® 1631 70	Cetrimonium Chloride, Ethanol	Pastille	70		
Fentacare® 1831 70	Steartrimonium Chloride, Ethanol	Pastille	70	Commonly used conditioner and detangling active. Compatible with other conditioning agents. Easier to handle than low active paste.	Free
Fentacare® 1827	Stearalkonium Chloride	Pastille	80	Similar properties in terms of wet combing, water repellency and dry detangling as CTAC, but brings the thickest texture. Used in organic clay.	Free
Fentacare® BTAC DPG 70	Behentrimonium Chloride, Dipropylene Glycol	Pastille	70	Excellent conditioner and detangling agent. Yields premium quality cream rinse conditioners that impart manageability to hair. Recommended for luxurious feel for normal to thick hair. Fentacare® 2231 EF is EDTA-free.	Free
Fentacare® BTMAC I80	Behentrimonium Chloride, Isopropyl Alcohol	Pastille	70		
Fentacare® 2231 EF			80		

SULFATE QUATERNARY AMMONIUM SURFACTANT

PRODUCT NAME	INCI NAME	PHYSICAL FORM	SOLIDS %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Mackernium® CC-112P9	Isostearamidopropyl Ethyldimonium Ethosulfate (and) PEG-9	Liquid	73	Effective, anionic compatible quaternary compound to add lubricity and antistatic properties out of hair care formulations. It is a good alternative for customers who want to formulate lotions or conditioners for fine lightly damaged hair. Ideal for light conditioning it is based on a vegetable-derived grade of isostearic acid and is offered in an anhydrous, inert solvent.	Free
Mackernium® SFES	Sunflowerseed amidopropyl Ethyldimonium Ethosulfate (and) PEG-9	Liquid	75	Effective anionic-compatible quaternary conditioner. It is based on a pure grade of sunflower oil and offered in an anhydrous, inert solvent. It can be used in a variety of personal care products to add lubricity and lessen static. Clear conditioning shampoos and body cleansers can be formulated with Mackernium® SFES. Also suitable for leave-on conditioners and serums	Free
Fentacare® 1831 MS	Steartrimonium Methosulfate (and) Ethanol	Solid	75	Conditioning and detangling agent which has a more supple feel. High compatibility with emulsifiers and other conditioning agents.	Free
Fentacare® 2231 MS I90	Steartrimonium Methosulfate (and) Ethanol	Solid	80	Excellent anti-static and conditioning agent. Yields premium quality cream rinses with superior wet and dry combing benefits. Fentacare® BTMS 25EF is also a mild and efficient emulsifying and structuring agent which is EDTA-free	Free
Fentacare® BTMS 25EF	Behentrimonium Methosulfate (and) Cetearyl Alcohol	Solid	25		Free



Hair Care

SYNTHETIC DERIVED CONDITIONING AGENTS

PRODUCT NAME	INCI NAME	PHYSICAL FORM	SOLIDS %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Polycare® Boost	Water, Dimethicone, Polyquaternium-74, Laureth-7	Liquid	50-55	Ready-to-use liquid blend of a cationic conditioning polymer and a silicone for 2-in-1 conditioning shampoos and conditioners that improve hair shine. Provides soft and clean hair sensorial signal to the consumers while delivering excellent dry hair detangling.	Sodium Benzoate
Mirapol® PQ 74	Polyquaternium-74	Liquid	50	Polyquaternium-74 is an amphoteric polymer used to deliver high conditioning and delivery performance in rinse-off personal care applications.	Sodium Benzoate
Mirapol® A15	Polyquaternium-2	Liquid	> 62	Very low molecular weight, highly charged cationic polymer, it is recommended for use in hair coloring systems, and transparent 2-in-1 body wash and shampoo.	Free
Mirapol® 100	Polyquaternium-6	Liquid	39-41	Very substantive to hair, provides high conditioning properties and a pronounced glaze upon rinsing. Ideal for color protection shampoos and treatment of dry and strongly damaged hair.	Free
Polycare® 133	Polymethacrylamidopropyl-trimonium Chloride	Liquid	32-34	Very substantive to hair, provides excellent wet hair combing and detangling performance. Recommended for Ethnic hair shampoos and treatments.	Free
Mirapol® 550 PF	Polyquaternium-7	Liquid	8-10	Liquid economical conditioning agents for hair and skin, these synthetic anionic -compatible polymers provide lubricity to hair and skin care formulas. In skin care formulas, they leave the skin with a soft pleasant feel.	Paraben
Mirapol® 550 SBF	Polyquaternium-7	Liquid	8-10		Sodium Benzoate
Mirapol® 550 SBO	Polyquaternium-7	Liquid	8-9		Sodium Benzoate
Mirapol® 550 SBB	Polyquaternium-7	Liquid	8-9		Sodium Benzoate
Mackernium® 007	Polyquaternium-7	Liquid	8-9		Phenonip
Mackernium® 007 B	Polyquaternium-7	Liquid	8-9		Phenonip

AMIDO AMINES

PRODUCT NAME	INCI NAME	PHYSICAL FORM	SOLIDS %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Mackine® 301U	Stearamidopropyl Dimethylamine	Flakes	100	Provides excellent conditioning and combability when formulated in all kinds of conditioning applications. Mackine® 301U is ideal for moderate to intensive care and a good alternative to quaternary surfactants as it has a spectrum very close to that of CTAC. Possibility to blend with CTAC / BTAC.	Free
Mackine® 601	Behenamidopropyl Dimethylamine	Flakes	100	Provides exceptional conditioning performance out conditioning products. Recommended for shine and excellent wet and dry feel without weighing the hair down.	Free
Mackalene® 326B	Stearamidopropyl Morpholine Lactate	Liquid	24-26	Cationic surfactant used primarily as a conditioner. It rinses more readily from the hair than quaternary ammonium compounds and thereby prevents build-up. Compatible with anionic surfactants, it can be formulated in transparent shampoos and body washes.	Sodium Benzoate
Mackalene® 426-100	Isostearamidopropyl Morpholine Lactate	Liquid	<97	Cationic surfactant used primarily as a conditioner. It rinses more readily from the hair than quaternary ammonium compounds and thereby prevents build-up. Compatible with anionic surfactants, it can be formulated in transparent shampoos and body washes.	Free



Hair Care

PROTEIN DERIVED CONDITIONING AGENTS

PRODUCT NAME	INCI NAME	PHYSICAL FORM	SOLIDS %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Mackpro® Plus RICE-C	Cocodimonium Hydroxypropyl Hydrolyzed Rice Protein	Liquid	19-22	Effective conditioners for skin and hair, the Mackpro® Plus series consists of quaternary functional lipids covalently bound to polypeptides from the hydrolysis of protein. Being strongly cationic and more lipophilic than hydrolyzed protein, these conditioners have a greater affinity for hair and skin. This series acts as film formers to provide moisturizing and antistatic effects, strengthen damaged hair, add shine and improve combability. They are also anionic compatible and can be used in shampoos as well as conditioners and lotions.	Quaternium 15
Mackpro® Plus SILK-C	Cocodimonium Hydroxypropyl Hydrolyzed Silk Protein	Liquid	19-22		
Mackpro® Plus WHEAT-C	Cocodimonium Hydroxypropyl Hydrolyzed Wheat Protein	Liquid	25-28		
Mackpro® KLP	Quaternium-79 Hydrolyzed Keratin Protein	Liquid	33.5-36.5	Unique quaternary compounds in which lipids that are similar to natural sebum are chemically grafted to keratin or silk proteins. They are highly substantive to hair and provide conditioning without an "oily" feel.	Methyl Paraben Propyl Paraben Sodium Benzoate
Mackpro® NSP	Quaternium-79 Hydrolyzed Silk Protein	Liquid	39-41		
Mackpro® WLW	Wheat Germamido-propyldimonium Hydroxypropyl Hydrolyzed Wheat Protein	Liquid	36	Conditioning agent in which the major emollients found in wheat germ oil are chemically grafted to wheat protein. It has a higher affinity for damaged hair and provides an even conditioning effect by coating the portions that need the most repair.	Methyl Paraben Propyl Paraben Sodium Benzoate
Mackpro® WWP	Wheat Germamidopropyl Dimethylamine Hydrolyzed Wheat Protein	Liquid	34-37	Combines the benefits of hydrolyzed proteins with the conditioning properties of anionic compatible amidoamines. Provides both body and the antistatic effects of cationics in hair.	Methyl Paraben Propyl Paraben Sodium Benzoate



Silicone Derivatives

Silicone Derivatives					
PRODUCT NAME	INCI NAME	PHYSICAL FORM	SOLIDS %	PROPERTIES & APPLICATIONS	PRESERVATIVE
Mirasil® DME-2 KCG	Water, Dimethicone, Laureth-8, Succinoglycan	White Liquid	50	High viscosity Dimethicone emulsion in water allowing a controlled uptake of silicone on the hair. Facility of incorporation in cosmetics formulations. Improves dry-combing. Silicone particle size around 2 microns.	MIT/MCIT
Mirasil® WAX B	Dimethiconol Behenate	Wax	100	Silicone wax allows gellification/thickening of the oil phase. Reduces tackiness and imparts smooth and silky feel in skin care products. Helps improve the water-resistance properties and boosts SPF in sun care emulsions. Brings long-lasting color properties to make up products.	Free
Mirasil® WAX S	Dimethiconol Stearate	Paste	100	Silicone wax. Helps improve the water resistance properties in sun care emulsions. Improves smoothness of lipsticks and long-lasting color property in make-up products.	Free