

PROTAMEEN CHEMICALS

Made in the USA
Servicing The World



VISIT



Personal Care
Specialty Ingredient
Product Offerings

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PROTAMEEN

EXPANDED USA MANUFACTURING

Protameen is on the cutting edge of ingredient technology with state of the art manufacturing in our newest production facility located in New Jersey for your custom manufacturing needs!



RSPO
Available

Protameen maintains facilities in strategic points >

WORLD-WIDE Headquartered in New Jersey,

Distribution points in Florida, Chicago, Dallas, and Los Angeles.

Protameen services its' global customers through a network of Partners and Agents in key geographic locations throughout

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SPECIALTY ESTERS

PROTACHEM™ SPECIALTY ESTERS

PRODUCT NAME	INCI NAME	NOTES
PROTACHEM ISP	ISOSTEARYL PALMITATE	Liquid ester. Emollient, spreading agent. Reduces greasy feel of mineral oil and natural oils. Colorless, odorless, tasteless. Ideally suited for lip products.
PROTACHEM ISL	ISOSTEARYL LINOLEATE	Liquid ester. Medium viscosity ester of Isostearyl Alcohol and Linoleic Acid. (an essential fatty acid)
PRO-AQUA ISL	ISOSTEARETH-200 LINOLEATE	Waxy pastille. Water soluble ester based on Isostearyl Alcohol and Linoleic Acid. (an essential fatty acid)
PROTACHEM CER	CETYL RICINOLEATE	Soft solid ester derived from castor oil. Emulsion stabilizer, emollient, conditioner.
PROTAPHOS CES	CETEARYL ALCOHOL (AND) DICETYL PHOSPHATE (AND) CETETH 10 PHOSPHATE	CES uses phosphate chemistry to emulsify, giving a markedly different skin feel than conventional ones

STANDARD ESTERS

PROTACHEM™ STANDARD ESTERS

PRODUCT NAME	INCI NAME	NOTES
PROTACHEM IPM NF	ISOPROPYL MYRISTATE	Liquid ester used as an emollient, lubricant and moisturizer. Reduces the greasy feel of natural oils and mineral oil.
PROTACHEM IPP NF	ISOPROPYL PALMITATE	Liquid ester used as an emollient, lubricant and moisturizer. Good skin absorption. Excellent spreadability.
PROTACHEM CTG	CAPRYLIC/CAPRIC TRIGLYCERIDE	Medium chain triglyceride. Used as an emollient in skin care applications. Good pigment dispersing properties. Excellent solvent for actives and vitamins.
PROTACHEM DIPA	DIISOPROPYL ADIPATE	Liquid ester. Non-oily emollient with quick absorbency.
PROTACHEM OS	ETHYLHEXYL STEARATE	Liquid ester also known as Octyl Stearate. Emollient, conditioner, skin barrier function.
PROTACHEM MM	MYRISTYL MYRISTATE	Waxy solid ester. Skin conditioning agent, emollient, thickener.
PROTACHEM MST NF, MST- V	MYRISTYL STEARATE	Waxy solid ester. Skin conditioning agent, emollient, thickener.
PROTACHEM OP	ETHYLHEXYL PALMITATE	Liquid ester. Emollient, pigment wetting, solvent. Dry skin feel.
PROTACHEM TN	C12-15 ALKYL BENZOATE	Liquid ester. Emollient, pigment wetting, solvent. Dry skin feel.



Chemical compound derived by reacting an alcohol with an acid

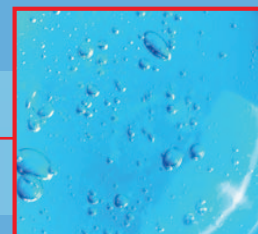
PROTACHEM ISP > Oil Soluble
 PROTACHEM ISL > Oil Soluble
 PRO-AQUA ISL > H2O Soluble



PROTAMERS



THICKENING AGENTS RHEOLOGY MODIFIERS



PROTAMER C-934	Carbomer	Rheology, Viscosity Increasing, Emulsion Stabilizer	Go-to industry standard, high viscosity, short flow, opaque
PROTAMER C-940	Carbomer	Rheology, Viscosity Increasing, Emulsion Stabilizer	Go-to industry standard, high viscosity, short flow, clear
PROTAMER C-941	Carbomer	Rheology, Viscosity Increasing, Emulsion Stabilizer	Go-to industry standard, low viscosity, long flow, clear
PROTAMER C-980	Carbomer	Rheology, Viscosity Increasing, Emulsion Stabilizer	High viscosity, short flow, clear, low Benzene
PROTAMER C-2020	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Rheology, Viscosity Increasing, Emulsion Stabilizer	Self-wetting, high clarity, high viscosity
PROTAMER Z-10	Carbomer	Rheology, Viscosity Increasing, Emulsion Stabilizer	Self-wetting, high clarity, high viscosity
PROTAMER Z-20	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Rheology, Viscosity Increasing, Emulsion Stabilizer	Self-wetting, high clarity, electrolyte tolerance
PROTAMER Z-21	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Rheology, Viscosity Increasing, Emulsion Stabilizer	Self-wetting, thickening and high stabilization, works w/ alcohol and H ₂ O
PROTAMER PE-1	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Emulsifier, Viscosity Increasing, Emulsion Stabilizer	Stabilizes oil in water systems with up to 20% oil
PROTAMER PE-2	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Emulsifier, Viscosity Increasing, Emulsion Stabilizer	Stabilizes oil in water systems with up to 50% oil
PROTAMER LG-1	Acrylates Copolymer	Rheology, Viscosity Increasing, Emulsion Stabilizer	Liquid polymer, pH flexible, clear, enhances pearl and mica in surfactant systems

PROTAMER Z SERIES

Carbomer

Formulation Tips

Acrylates Copolymer

Meter room temperature water into main vessel

Slowly sprinkle PROTAMER Z across the top, without agitation

Acrylates/C10-30
Alkyl Acrylate Crosspolymer

PROTAMER Z will hydrate on its own based on time frame on COA



NON-IONIC SURFACTANTS USED AS EMULSIFIERS, WETTING AGENTS, SOLUBILIZER, CONDITIONERS AND COUPLING AGENTS.

PROCOL™ Polyethylene and Polypropylene Ethers

PRODUCT NAME	INCI NAME	NOTES
PROCOL CA-2	CETETH-2	HLB 5.3
PROCOL CA-10	CETETH-10	HLB 12.9
PROCOL CA-20	CETETH-20	HLB 15.7
PROCOL CS-5	CETEARETH-5	HLB 6.0
PROCOL CS-15	CETEARETH-15	HLB 9.2
PROCOL CS-20	CETEARETH-20	HLB 15.2
PROCOL CS-25	CETEARETH-25	HLB 16.1
PROCOL CS-30	CETEARETH-30	HLB 16.5
PROCOL P	CETEARYL ALCOHOL & POLY 60 & PEG-150 STEARATE & STEARETH 20	O/W nonionic emulsifier. Broad pH compatibility.
PROCOL CS-20-D	CETEARYL ALCOHOL & CETEARETH-20	O/W nonionic emulsifier. Broad pH compatibility.
PROCOL ST-20-G	STEARYL ALCOHOL & CETEARETH-20	O/W nonionic emulsifier. Broad pH compatibility.
PROCOL CS-W	Cetearyl Alcohol (and) Polysorbate 60	High HLB value O/W emulsifier with added emolliency.
PROCOL CS-LS	Cetearyl Alcohol (and) Sodium Lauryl Sulfate	Highly stable, O/W emulsifier with added emolliency, anionic.
PROCOL EB-K	Cetearyl Alcohol (and) Glyceryl Stearate (and) Glycol Stearate (and) Potassium Stearate	Emulsifying blend hold up to three times its weight in oil.
PROCOL IS-20	ISOSTEARETH-20	HLB 15.3
PROCOL LA-2	LAURETH-2	HLB 6.2
PROCOL LA-4	LAURETH-4	HLB 9.7
PROCOL LA-7	LAURETH-7	HLB 12.5
PROCOL LA-10	LAURETH-10	HLB 13.9
PROCOL LA-12	LAURETH-12	HLB 14.8
PROCOL LA-23	LAURETH-23	HLB 16.9
PROCOL OA-2	OLETH-2	HLB 4.9
PROCOL OA-5	OLETH-5	HLB 9.0
PROCOL OA-10	OLETH-10	HLB 12.4
PROCOL OA-20	OLETH-20	HLB 15.3
PROCOL SA-2	STEARETH-2	HLB 4.9
PROCOL SA-20	STEARETH-20	HLB 15.3
PROCOL SA-21	STEARETH-21	HLB 15.5
PROCOL PCA-10	PPG-10 CETYL ETHER	Skin conditioning agent emollient.
PROCOL PSA-15	PPG-15 STEARYL ETHER	Skin conditioning agent emollient.

PROTAMATE™ Polyethylene Glycol Esters

PRODUCT NAME	INCI NAME	NOTES
PROTAMATE 200-DL	PEG-4 Dilaurate	Polyethylene Glycol Esters of fatty acids. Nonionic surfactants used as primary and secondary emulsifiers. Higher molecular weight versions are used as viscosity builders.
PROTAMATE 200-OC	PEG-4 Oleate	
PROTAMATE 400-DPS	PEG-8 Stearate	
PROTAMATE 400-ML	PEG-8 Laurate	
PROTAMATE 600-ML	PEG-12 Laurate	
PROTAMATE 1000-DPS	PEG-20 Stearate	
PROTAMATE 1540-DPS	PEG-40 Stearate	
PROTAMATE 2000-DPS	PEG-40 Stearate	
PROTAMATE 4400-DPS	PEG-100 Stearate	
PROTAMATE 6000-DS	PEG-150 Disetate	



SHAMPOOS BATH PRODUCTS FACIAL PRODUCTS

PROTAMIDE™ Alkanolamides

PRODUCT NAME	INCI NAME	NOTES
PROTAMIDE CME	COCAMIDE MEA	100 % active. Foam booster, viscosity builder for detergent based systems.
PROTAMIDE HCA-A	COCAMIDE DEA	100 % active. Foam booster, viscosity builder for detergent based systems.
PROTAMIDE LME	LAURAMIDE MEA	100 % active. Foam booster, viscosity builder for detergent based systems.

PROTERIC™ Amphoterics

PRODUCT NAME	INCI NAME	NOTES
PROTERIC CAB-LC	COCAMIDOPROPYL BETAINE	High foaming, amphoteric surfactant. Mild cleansing and excellent viscosity building in anionic-based systems.
PROTERIC CDX-38	DISODIUM COCOAMPHODIACETATE	Mild amphoteric surfactant. Excellent foaming and cleansing properties. Recommended for use in sensitive care products.
PROTERIC CEM-38	DISODIUM COCOAMPHODIPROPIONATE	Extremely mild, amphoteric surfactant. Recommended for use in baby care products, sensitive skin care products and facial products.
PROTERIC JS	COCAMIDOPROPYL HYDROXYSULTAINE	Excellent detergent. Exhibits pronounced mildness in combination with anionic surfactants and soaps.

Anionic Surfactants And Surfactants Blends

PRODUCT NAME	INCI NAME	ACTIVITY	NOTES
PROTACHEM AOS	SODIUM C14-16 OLEFIN SULFONATE	40%	High foaming, anionic surfactant used in shampoos, bath products and light-duty liquid detergents.
PROTACHEM ES-2	SODIUM LAURETH SULFATE	25%	High foaming, anionic surfactant with high flash foam. Used in shampoos and bath products.
PROTACHEM DG	DECYL GLUCOSIDE	60- 70%	Naturally derived, non-ionic surfactant. Extremely mild and high foaming, perfect for hair, sensitive skin and baby wash products.
PROTACHEM LG	LAURYL GLUCOSIDE	60- 70%	Non-ionic surfactant suitable for various cosmetic cleansing preparations. Very mild.
PROTACHEM BSC-B	PEG-80 Sorbitan Laurate (and) Sodium Trideceth Sulfate (and) Cocamidopropyl Betaine	30%	BSCB is a cost effective no tears shampoo concentrate.
PROTAPON 24-A	SODIUM METHYL COCOYL TAURATE	24%	Mild, anionic surfactant. Low salt content. Stable at extreme pH conditions.
PROTAPON 30-A	SODIUM METHYL COCOYL TAURATE	30%	Higher activity version of Protapon 24-A.
PROTAPON SCI-F/P	SODIUM COCOYL ISETHIONATE	85%	High activity anionic surfactant. [flaked & powder]




NONIONIC EMULSIFIERS, EMOLLIENTS & SKIN CONDITIONERS

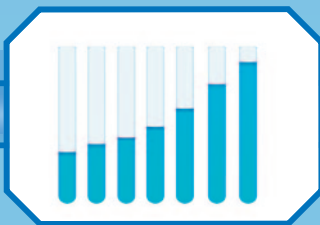
PROTACHEM™ GLYCERYL AND GLYCOL ESTERS

PRODUCT NAME	INCI NAME	NOTES
PROTACHEM EGDS	GLYCOL DISTEARATE	Used as an emollient, skin conditioning agent, opacifier, viscosity builder. Pearlizing agent for surfactant based systems.
PROTACHEM EGMS	GLYCOL STEARATE	Used as an emollient, skin conditioning agent, opacifier, viscosity builder. Pearlizing agent for surfactant based systems.
PROTACHEM G-5509-V	GLYCERYL STEARATE SE	Self emulsifying grade of Glyceryl Stearate.
PROTACHEM GC-7	PEG-7 GLYCERYL COCOATE	O/W emulsifier, emollient, conditioning agent, refatting agent.
PROTACHEM GC-30	PEG-30 GLYCERYL COCOATE	O/W emulsifier, solubilizer.
PROTACHEM GDL	GLYCERYL DILAUATE	Nonionic emulsifier, moisturizer, emollient.
PROTACHEM GMS-165	GLYCERYL STEARATE (AND) PEG-100 STEARATE	Self-emulsifying Glyceryl Stearate.
PROTACHEM GMS-165 V	GLYCERYL STEARATE (AND) PEG-100 STEARATE	Self-emulsifying Glyceryl Stearate. Vegetable derived.
PROTACHEM GMS-450	GLYCERYL STEARATE	Nonionic emulsifier, moisturizer, emollient.
PROTACHEM GMS-450 V	GLYCERYL STEARATE	Nonionic emulsifier, moisturizer, emollient. Vegetable derived.
PROTACHEM GMS-D	GLYCERYL STEARATE SE	Self-emulsifying Glyceryl Stearate.
PROTACHEM MLD	GLYCERYL LAURATE	Nonionic emulsifier, moisturizer, emollient.
PROTACHEM PGMS	PROPYLENE GLYCOL STEARATE	Used as an emollient, skin conditioning agent, opacifier, viscosity builder. Pearlizing agent for surfactant based systems.
PROTACHEM 100	POLYGLYCERYL-3 OLEATE	Nonionic emulsifier, moisturizer, emollient.
PROTACHEM AWS-100	PPG-5 CETETH-20	AWS is an alcohol and water soluble nonionic liquid surfactant. It is useful as an emollient, solubilizer, emulsifier and wetting agent.

PROTACHEM™

Polyethylene Glycol derivatives of Castor Oil and Hydrogenated Castor Oil

PRODUCT NAME	INCI NAME	NOTES
PROTACHEM CO-30	PEG-30 CASTOR OIL	
PROTACHEM CO-40	PEG-40 CASTOR OIL	
PROTACHEM CO-60	PEG-60 CASTOR OIL	
PROTACHEM CO-200	PEG-200 CASTOR OIL	
PROTACHEM HCO-25	PEG-25 HYDROGENATED CASTOR OIL	
PROTACHEM HCO-40	PEG-40 HYDROGENATED CASTOR OIL	
PROTACHEM HCO-40-R	PEG-40 HYDROGENATED CASTOR OIL	
PROTACHEM HCO-60	PEG-60 HYDROGENATED CASTOR OIL	



HIGH HLB_ NON-IONIC EMULSIFIERS AND SOLUBILIZERS

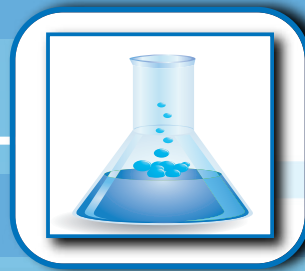
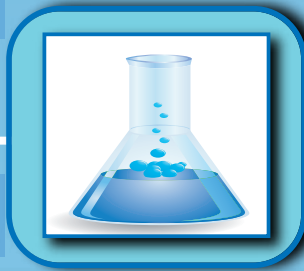
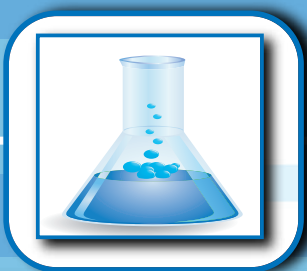
PROTASORB™ Polyethylene Sorbitan Esters

PRODUCT NAME	INCI NAME	HLB VALUE
PROTASORB L-20	POLYSORBATE-20	16.7
PROTASORB L-20 NF	POLYSORBATE-20	16.7
PROTASORB S-20	POLYSORBATE-60	14.9
PROTASORB S-20 NF	POLYSORBATE-60	14.9
PROTASORB O-20	POLYSORBATE-80	15.0
PROTASORB O-20 NF	POLYSORBATE-80	15.0
PROTASORB TO-20	POLYSORBATE-85	11.0

LOW HLB_ NON-IONIC EMULSIFIERS

PROTACHEM™ Sorbitan Esters

PRODUCT NAME	INCI NAME	HLB VALUE
PROTACHEM SML	SORBITAN LAURATE	8.6
PROTACHEM SMO	SORBITAN OLEATE	4.3
PROTACHEM SMS	SORBITAN STEARATE	4.7
PROTACHEM SOC	SORBITAN SESQUIOLEATE	3.7
PROTACHEM SOC V	SORBITAN SESQUIOLEATE	3.7
PROTACHEM STO	SORBITAN TRIOLEATE	1.8
PROTACHEM STS	SORBITAN TRISTEARATE	1.8



HLB

The Hydrophilic Lipophilic Balance of a surfactant is a measure of the degree to which it is hydrophilic (water loving) or lipophilic (oil loving)

PRESERVATIVE SYSTEMS

Protacides™ Preservatives

PRODUCT NAME	INCI NAME	NOTES
PROTACIDE PSP BLEND	PHENOXYETHANOL AND POTASSIUM SORBATE AND SODIUM BENZOATE	Protacide PSP Blend combines the antibacterial activity of Phenoxyethanol with the antibacterial/antifungal activity of Sodium benzoate and the antifungal activity of Potassium sorbate. This combination is highly effective against Gram-negative bacteria, Gram-positive bacteria, yeasts and molds.
METHYL PARABEN NF	METHYLPARABEN	Effective against mold and yeast. Colorless, non-toxic, stable and effective at low concentrations. Less effective with non-ionic and cationic surfactants. Typical use level 0.1 - 0.8%. EU: Approved level 0.4% for one paraben 0.8% for blend. Japan: Approved level 1% total paraben.
PROPYL PARABEN NF	PROPYLPARABEN	
BUTYL PARABEN NF	BUTYLPARABEN	
ETHYL PARABEN NF	ETHYLPARABEN	
POTASSIUM SORBATE	POTASSIUM SORBATE	Effective primarily against yeast and molds. Effective only in acidic conditions (pH 6.5 MAX) Non-toxic. Typical use level 0.05 - 0.8%. EU: Approved level 0.8% MAX. Japan: Approved level 0.5% MAX.
PROTACIDE DMDMH	DMDM HYDANTOIN	Broad spectrum anti-microbial most effective against bacteria. Sold as a 55% solution in water. Typical use level 0.15 - 0.6%. EU: Approved level 0.6% MAX Japan: Approved level 0.3% MAX (rinse-off products only).
PROTACHEM NA2-P	DISODIUM EDTA	Chelating agent used to enhance anti-microbial activity. Typical use level 0.1 - 0.3%.
PROTACHEM NA2-S	DISODIUM EDTA	Chelating agent used to enhance anti-microbial activity. Typical use level 0.1 - 0.3%.
PROTACIDE NA3 EDTA	TRISODIUM EDTA	Chelating agent used to enhance anti-microbial activity. Typical use level 0.1 - 0.3%.
PROTACIDE PE	PHENOXYETHANOL	Most active against bacteria, some activity against yeast and mold. Good solvent for parabens. Characteristic rose odor. Typical use level 0.25 - 1.0%. EU: Approved level 1% MAX. Japan: Approved level 1% MAX.
PROTACIDE U-13	IMIDAZOLIDINYL UREA	Broad spectrum antibacterial. Usually used in combination with parabens to provide broad spectrum protection. EU: Approved level 0.6% MAX. Japan: Approved level 0.3% MAX in rinse-off products.
SORBIC ACID	SORBIC ACID	Very active against mold, fair for yeasts. Not effective for bacteria. Effective only in acidic conditions. Typical use level 0.05 - 0.6%. EU: Approved level 0.6% MAX. Japan: Approved level 0.5% MAX.
TRICLOSAN	TRICLOSAN	Antibacterial commonly used in deodorants, soaps and hand/body washes. Typical use level 0.1 - 1.0%.



SAFE

EFFECTIVE

PROVEN

ECONOMICAL

PARABENS

LANOLIN

PROTALAN™ Lanolin and Lanolin Derivatives

PRODUCT NAME	INCI NAME	NOTES
ANHYDROUS LANOLIN	LANOLIN	Obtained from the wool of sheep. Effective moisturizer and conditioning agent.
PROTALAN AC	CETYL ACETATE (and) ACETYLATED LANOLIN ALCOHOL	100% active blend derived from Lanolin. Multifunctional, low viscosity emollient.
PROTALAN ALCOHOL	LANOLIN ALCOHOL	A mixture of organic alcohols obtained from the hydrolysis of Lanolin. Emulsion stabilizer, moisturizer, conditioning agent.
PROTALAN AWS	PPG-12-PEG-50 LANOLIN	Propoxylated, polyoxyethylene derivative of Lanolin. Emulsifier, conditioning agent.
PROTALAN IPL	ISOPROPYL LANOLATE	Ester of Isopropyl Alcohol and Lanolin Acids. Emollient, binder, skin conditioning agent.
PROTALAN L-75/50	PEG-75 LANOLIN (and) WATER	Polyethylene Glycol derivative of Lanolin with average 75 moles Ethylene Oxide. Emollient, super-fating agent, conditioner, shine enhancer. 50% Active
PROTALAN M-16	MINERAL OIL (and) LANOLIN ALCOHOL	Blend of Mineral Oil and Lanolin Alcohol. O/W emulsifier, emollient.
PROTALAN M-26	MINERAL OIL (and) LANOLIN ALCOHOL	Blend of Mineral Oil and Lanolin Alcohol. O/W emulsifier, emollient.
PROTALAN OIL	LANOLIN OIL	Liquid fraction of Lanolin. Good solubility in oils, esters and hydrocarbons. Emollient.
PROTALAN WAX	LANOLIN WAX	Solid fraction of Lanolin. Emulsion stabilizer, emollient, moisturizer.
PROTALAN 98	POLYSORBATE (and) CETYL ACETATE (and) ACETYLATED LANOLIN ALCOHOL	Blend. Emulsifier, solubilizer, conditioner, spreading agent.

SHINE

GLOSS

MOISTURIZATION

EMOLLIENCY

CONDITIONING



ANTI-STATIC / CONDITIONING

PROTAQUAT™ Cationic Surfactants

PRODUCT NAME	INCI NAME	NOTES
PROTAQUAT CT-29	CETRIMONIUM CHLORIDE	Quaternary ammonium compound. Used as an anti-static agent and conditioner in hair care products. Also used as an emulsifier and conditioning agent in skin care products.
PROTAQUAT ASP	CETEARYL ALCOHOL (and) PEG-40 HYDROGENATED CASTOR OIL (and) STEARALKONIUM CHLORIDE	Easy to use Hair Conditioning concentrate.

PROTOX™ Ethoxylated Aliphatic Amines

PRODUCT NAME	INCI NAME	NOTES
PROTOX C-2	PEG-2 COCAMINE	Ethoxylated, fatty amines. Emulsifiers, anti-irritants in shampoos, neutralizing agents for acrylate thickeners, anti-static agents, foam boosters and mild surfactants. Used in hair and skin care cleansing products. Commonly used in Hair Color products to aid the dispersion of dyes and wetting hair fibers.
PROTOX C-5	PEG-5 COCAMINE	
PROTOX C-15	PEG-15 COCAMINE	
PROTOX O-10	PEG-10 OLEAMINE	
PROTOX S-2	PEG-2 SOYAMINE	



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SPECIALTY ITEMS

HUMECTANTS

PRODUCT NAME	INCI NAME	NOTES
GLYCERIN	GLYCERIN	Available as cosmetic grade and USP Grade (99.5%)
PROPYLENE GLYCOL V	PROPYLENE GLYCOL	Natural vegetable derived propylene glycol
di-PANTHENOL	PANTHENOL	Also known as Pro Vitamin B ₅ . Moisturizer and conditioning agent for skin and hair care applications.
PROTACHEM 75	PEG-75	Binding agent, humectant, solvent.
PROTACHEM 400	PEG-8	Binding agent, humectant, solvent.
PROTACHEM GL-7	GLYCERETH-7	Humectant, moisturizer, solvent.
PROTACHEM GL-26	GLYCERETH-26	Humectant, moisturizer, solvent.
PROTACHEM SPCA	SODIUM PCA	Occurs naturally in skin. Derived from amino acids. Sodium PCA is hygroscopic in nature and is an excellent moisturizer for skin and hair.

FATTY ALCOHOLS AND ACIDS

PRODUCT NAME	INCI NAME	NOTES
CETYL ALCOHOL	CETYL ALCOHOL	Fatty alcohols are used as secondary emulsifiers, viscosity enhancers and opacifiers for a variety of personal care applications. Also used in anhydrous stick formulations.
STEARYL ALCOHOL	STEARYL ALCOHOL	
PROTACHEM CS-50	CETEARYL ALCOHOL	
PROTACHEM CS-70	CETEARYL ALCOHOL	
LAURIC ACID	LAURIC ACID	Fatty acids are used as emulsifiers and thickeners when neutralized, and are also used as superfatting agents and opacifiers in a wide range of personal care products.
MYRISTIC ACID	MYRISTIC ACID	
PALMITIC ACID	PALMITIC ACID	
STEARIC ACID TP, NF	STEARIC ACID	

ALKYL PHENOL ETHOXYLATES

PRODUCT NAME	INCI NAME	NOTES
PROTACHEM NP-9	NONOXYNOL-9	Nonionic surfactant. Emulsifier.
PROTACHEM OP-9	OCTOXYNOL-9	Nonionic surfactant. Emulsifier.

OTHER SPECIALTIES

PRODUCT NAME	INCI NAME	NOTES
PROTACHEM LL	LAUROYL LYSINE	Highly lubricous powder used in color cosmetics and powders. Also used as a surface treatment agent for inorganic pigments.
VITAMIN E USP	TOCOPHERYL ACETATE	USP Grade material. Anti-oxidant and skin conditioning agent.



SKIN CARE / SPF PROTECTION

PROTADERM™ Alpha Hydroxy Acid and Beta Hydroxy Acid

PRODUCT NAME	INCI NAME	NOTES
PROTADERM G [synthetic]	GLYCOLIC ACID	Plant derived alpha hydroxy acid. Glycolic Acid is the smallest AHA molecule and works by penetrating the skin and stimulating cellular activity. Used in exfoliating products, skin peeling products, and anti-aging products.

UV Absorbers and Sunscreen Agents

PRODUCT NAME	INCI NAME	NOTES
PROTAPHENONE-2	BENZOPHENONE-2	UVA/UVB absorber. Water insoluble. Soluble in Alcohol, Ethyl Acetate and Methyl Ethyl Ketone. Effective light stabilizer for protecting plastics, coatings and cosmetics. Typical use level 0.05 - 0.20%
PROTAPHENONE-3	BENZOPHENONE-3 (COSMETIC) OXYBENZONE (OTC PRODUCTS)	UVA/UVB absorber. Water insoluble, limited solubility in alcohol, oil soluble. Used in cosmetic applications to prevent discoloration caused by exposure to light. Use level 0.05 - 0.20%. FDA approved active for sunscreens. Usually used in combination with UVB absorbers to obtain high SPF values. FDA approved level is 6% MAX.
PROTAPHENONE-4	BENZOPHENONE-4 (COSMETIC) SULISOBENZONE (OTC DRUGS)	UVA/UVB absorber. Water soluble. Used in cosmetic applications to prevent discoloration caused by exposure to light. FDA approved active for sunscreens. Usually used in combination with UVB absorbers to obtain high SPF values. FDA approved level is 10% MAX.
PROTACHEM AVO	BUTYL METHOXYDIBENZOLYMETHANE (COSMETIC) AVOBENZONE (OTC DRUGS)	UVA absorber. Oil soluble. Used in cosmetic applications to prevent discoloration caused by exposure to light. FDA approved active for sunscreens. Use Avobenzone with a photostabilizer (like Octocrylene). Use level: Up to 3% in OTC sunscreen.
PROTACHEM OMC	ETHYLHEXYL METHOXYCINNAMATE (COSMETIC) OCTINOXATE (OTC DRUGS)	UVB absorber. Oil and alcohol soluble. Used in combination with other UV filters to boost SPF value. Colorless, odorless. FDA approved active for sunscreens. Use level 7.5% MAX.



SKIN CARE _ SUN CARE

ALOE VERA GELS, OILS, EXTRACTS, AND POWDERS

PRODUCT NAME	INCI NAME	NOTES
AG002	Aloe Barbadensis Leaf Juice	Aloe Vera Gel Decolorized 1X.
AG014	Aloe Barbadensis Leaf Juice	Aloe Vera Gel Decolorized 10X.
AO001	Mineral Oil & Coconut Oil & Aloe Barbadensis Leaf Juice	Aloe Vera oil extract.
AO002	Soybean Oil & Aloe Barbadensis Leaf Juice	Aloe Vera oil extract.
TD012	Aloe Barbadensis Leaf Juice	Spray dried Aloe Vera powder Decolorized 100X.
TD013	Aloe Barbadensis Leaf Juice	Spray dried Aloe Vera powder Regular 100X.
TD015	Aloe Barbadensis Leaf Juice	Freeze dried Aloe Vera powder Decolorized 100X.
TN001	Aloe Barbadensis Leaf Juice	Spray dried Aloe Vera powder Regular 200X.
TN003	Aloe Barbadensis Leaf Juice	Freeze dried Aloe Vera powder Decolorized 200X. Non-preserved.
WL005	Aloe Barbadensis Leaf	Spray dried Aloe Vera powder 100X. Certified Organic.
WL006	Aloe Barbadensis Leaf	Freeze dried Aloe Vera powder 100X. Certified Organic.
WLG001	Aloe Barbadensis Leaf	Whole leaf Aloe Vera 1X.
WLG005	Aloe Barbadensis Leaf	Whole leaf Aloe Vera 5X.
WLG0020	Aloe Barbadensis Leaf	Whole leaf Aloe Vera 20X.
AM001	Glycerin & Glyceryl Acrylate/Acrylic Acid Copolymer & Aloe Barbadensis Leaf Juice	Aloe Moist Blend.

CERTIFIED ORGANIC AVAILABLE

MOISTURIZING

NATURAL

SOOTHING



PRO-NATURALS

NATURAL OILS

PRODUCT NAME	INCI NAME	NOTES
APRICOT OIL	PRUNUS ARMENIACA (APRICOT) KERNEL OIL	Natural oil. Used as an emollient/skin conditioning agent. Also used in hair care preparations to restore shine.
AVOCADO OIL	PERSEA GRATISSIMA (AVOCADO) OIL	Natural oil. Avocado oil is rich in feel and is recommended for use in products for dry and sun damaged skin.
COCONUT OIL	COCOS NUCIFERA (COCONUT) OIL	Natural oil. Excellent skin moisturizer. Also used as a natural conditioner for hair.
JOJOBA OIL	SIMMONDSIA CHINENSIS	Joboba Oil is nearly identical to the oil in hair and skin. It is quickly absorbed without leaving a greasy residue. Typically used in hair and skin care as a emollient and conditioner.
PEPPERMINT OIL	MENTHA PIPERITA	Peppermint Oil, a Natural Essential Oil has both a warming and cooling effect on the skin. Used in mouthwashes, breath fresheners and skin and hair products.
SESAME OIL	SESAMUM INDICUM (SESAME) SEED OIL	Natural oil. Emollient, conditioning agent. Traditionally used in massage oils.
SWEET ALMOND OIL	PRUNUS AMYGDALUS DULCIS	Sweet Almond oil is used as a moisturizer, it is light and does not leave a greasy residue on the skin once absorbed. Commonly used in massage and body oils as a lubricant and carrier.
SUNFLOWER OIL	HELIANTHUS ANNUUS (SUNFLOWER) SEED OIL	Natural Oil. Emollient, conditioning agent, moisturizer.

NATURAL BUTTERS

PRODUCT NAME	INCI NAME	NOTES
COCOA BUTTER	THEOBROMA CACAO SEED BUTTER	Edible fat obtained from the cocoa bean. Melts at body temperature. Natural skin emollient/moisturizer.
SHEA BUTTER	BUTYROSPERMUM PARKII	Obtained from the kernels of the fruit tree, Butyrospermum parkii. Refined, bleached and deodorized.
MANGO BUTTER	MANGIFERA INDICA SEED BUTTER	Obtained from the fruits kernels of the Mango. High stearic acid content with physical properties similar to Cocoa Butter. Soft solid at room temperature. Natural skin emollient/moisturizer.
ALMOND BUTTER	PRUNUS AMYGDALUS DULCIS	Obtained from the dried kernels of the almond tree by cold pressing and subsequent refining. Low melt point. Natural skin emollient/moisturizer.
DHUPA BUTTER	VATERIA INDICA SEED BUTTER	Obtained from the dried kernels of the Valeria Indica Tree of India. Physical properties similar to Cocoa Butter. Natural skin emollient/moisturizer. Traditionally used in India for soap making.
ILLIPE BUTTER	SHOREA STENOPTERA SEED BUTTER	Obtained from the nut of the Shorea Stenoptera. Melts at body temperature. High stearic acid content. Natural skin emollient/moisturizer.
KOKUM BUTTER	GARCINIA INDICA SEED BUTTER	Obtained from the fruit of the Garcinia Indica tree grown in India. Kokum Butter is the hardest vegetable butter known. Natural skin emollient/moisturizer.
MOWRAH BUTTER	BASSIA LATIFOLA SEED BUTTER	Obtained from the seed kernels of the Madhuca Latifolia and Madhuca Longifolia trees grown in India. Solid at room temperature. Natural skin emollient/moisturizer.
PHULWARA BUTTER	BASSIA BUTYRACEA SEED BUTTER	Obtained from the seed kernels of the Madhuca Butyracea tree common throughout Nepal, Bhutan and Bengal. Nearly white in color with a pleasant taste and odor. Natural skin emollient/moisturizer.
SAL BUTTER	SHOREA ROBUSTA SEED OIL	Obtained from the fruit kernels of the Shorea Robusta tree. High stearic acid content and physical properties similar to Cocoa Butter. Natural skin emollient/moisturizer.

SIGNATURE ESTERS^[tm]



Protachem ISP OIL SOLUBLE

Protachem ISP (Isostearyl Palmitate) is a non-comedogenic, saturated liquid emollient with an extraordinary skin feel and low freezing point. Virtually colorless, odorless, and tasteless, suggests ideal use in lip products. Functions as a co-solubilizer for silicones and waxes in sunscreens, and may be considered to be an "oil-free" ingredient for cosmetics.

When incorporated into creams or lotions at levels as low as 3%, ISP imparts a light, silky emolliency, eliminating the greasy feel of mineral oil or other heavier esters.



Protachem ISL OIL SOLUBLE

Protachem ISL (Isostearyl Linoleate) is a medium viscosity plant derived ester with bi-functional properties (emolliency and moisturization).

ISL supplies essential fatty acid to the skin which assists in repairing the Intercellular Moisture Barrier increasing the intrinsic moisturization of skin and reducing TEWL.

ISL has excellent pigment dispersing properties and may be used in various types of make-up, lip gloss, lipstick, mascara and blush formulations. It is highly recommended in creams or lotions where it can partially or totally replace mineral or plant oils that tend to be oily or greasy. In sunscreen products, it can solubilize oil soluble sunscreen actives and helps to reduce the oiliness often associated with these products and provide a non-greasy emollient feel to skin while improving the water-resistant properties of the product.



Pro-Aqua ISL WATER SOLUBLE

Pro-aqua ISL (Isosteareth-200 Linoleate) is the sister product to our popular Protachem ISL (Isostearyl Linoleate) which is proven to deliver long-term moisturization to skin. Due to the highly lipophilic nature of Protachem ISL this effect was excluded from use in surfactant based hair and skin care formulations.

PROCOL EB-K_[tm]

INCI: Cetearyl Alcohol
(and) Glyceryl Stearate (and) Glycol Stearate
(and) Potassium-Stearate

Suggested Applications:

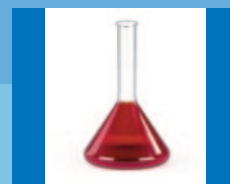
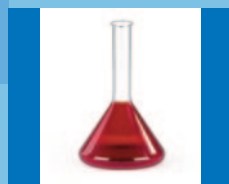
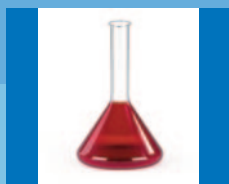
Procol EB-K is a blend of balanced O/W emulsifiers.

This blend can emulsify up to 3 times its weight in oil.

The primary use of Procol EB-K is in Cosmetic and Personal Care Products such as creams, lotions, and conditioners.

Procol EB-K can be used as a thickener, viscosity controlling agent, and foam controlling agent for many cosmetic preparations.

Since Procol EB-K is non-ionic/anionic in nature, it is compatible with most surfactants.



EXCELLENT EMULSIFICATION

ALPHABETICAL > A / P INDEX

PROTALAN MOD	ACETYLATED LANOLIN
ANHYDROUS LANOLIN	ANHYDROUS LANOLIN
PROTACHEM AVO	AVOBENZONE
PHULWARA BUTTER	BASSIA BUTYRACEA SEED BUTTER
MOWRAH BUTTER	BASSIA LATIFOLA SEED BUTTER
PROTAQUAT BCP-25	PEG-80 Sorbitan Laurate (and) Sodium Trideceth Sulfate (and) Cocamidopropyl Betaine
PROTAPHENONE-2	BENZOPHENONE-2
PROTAPHENONE-3	BENZOPHENONE-3/OXYBENZONE
PROTAPHENONE-4	BENZOPHENONE-4/SULISOBENZONE
PROTACHEM AVO	AVOBENZONE
BUTYLPARABEN NF	BUTYLPARABEN
SHEA BUTTER	BUTYROSPERMUM PARKII
PROTACHEM TN	C12-15 ALKYL BENZOATE
PROTACHEM CTG	CAPRYLIC/CAPRIC TRIGLYCERIDE
PROCOL CS-5	CETEARETH-5
PROCOL CS-15	CETEARETH-15
PROCOL CS-20	CETEARETH-20
PROCOL CS-25	CETEARETH-25
PROCOL CS-30	CETEARETH-30
PROTACHEM CS-50	CETEARYL ALCOHOL
PROTACHEM CS-70	CETEARYL ALCOHOL
PROCOL CS-20-D	CETEARYL ALCOHOL/CETEARETH-20
PROCOL CS-LS	CETEARYL ALCOHOL (AND) SODIUM LAURYL SULFATE
PROCOL CS-W	CETEARYL ALCOHOL (AND) POLYSORBATE 60
PROCOL P	CETEARYL ALCOHOL & POLY 60 & PEG-150 STEARATE & STEARETH 20
PROCOL EB-K	CETEARYL ALCOHOL & GLYCERYL STEARATE & GLYCOL STEARATE & POTASSIUM STEARATE
PROCOL CA-2	CETETH-2
PROCOL CA-10	CETETH-10
PROCOL CA-20	CETETH-20
PROTAQUAT CT-29	CETRIMONIUM CHLORIDE
PROTALAN AC	CETYL ACETATE/ACETYLATED LANOLIN ALCOHOL
CETYL ALCOHOL	CETYL ALCOHOL
PROTACHEM CER	CETYL RICINOLEATE
PROTAMIDE HCA-A	COCAMIDE DEA
PROTAMIDE CME	COCAMIDE MEA
PROTERIC CAB-LC	COCAMIDOPROPYL BETAINE
PROTERIC JS	COCAMIDOPROPYL HYDROXYSULTAINE
PROTACHEM CG	COCO GLUCOSIDE
COCONUT OIL	COCOS NUCIFERA (COCONUT) OIL
PROTACHEM DG	DECYL GLUCOSIDE
PROTACHEM DGS	DIGLYCOL STEARATE
PROTACHEM DIPA	DIISOPROPYL ADIPATE
PROTERIC CDX-38	DISODIUM COCOAMPHODIACETATE
PROTERIC CEM-38	DISODIUM COCOAMPHODIPROPIONATE
PROTACIDE NA2-P	DISODIUM EDTA
PROTACIDE DMDM-H	DMDM HYDANTOIN
PROTACHEM OMC	ETHYLHEXYL METHOXYCINNAMATE
PROTACHEM OP	ETHYLHEXYL PALMITATE
PROTACHEM OS	ETHYLHEXYL STEARATE
ETHYLPARABEN NF	ETHYLPARABEN
KOKUM BUTTER	GARCINIA INDICA SEED BUTTER
PROTACHEM GL-7	GLYCERETH-7
PROTACHEM GL-26	GLYCERETH-26
GLYCERIN USP	GLYCERIN
PROTACHEM GDL	GLYCERYL DILAURATE

PROTACHEM MLD	GLYCERYL LAURATE
PROTACHEM GMS-450	GLYCERYL STEARATE
PROTACHEM G-5509	GLYCERYL STEARATE SE [SUPER EMULSIFIER]
PROTACHEM GMS-D	GLYCERYL STEARATE SE
PROTACHEM GMS-165	GLYCERYL STEARATE/PEG-100 STEARATE
PROTACHEM GMS-165 V	GLYCERYL STEARATE/PEG-100 STEARATE
PROTACHEM EGDS	GLYCOL DISTEARATE
PROTACHEM EGMS	GLYCOL STEARATE
PROTADERM G	GLYCOLIC ACID
SUNFLOWER OIL	HELIANTHUS ANNUUS (SUNFLOWER) SEED OIL
PROTACIDE U-13	IMIDAZOLIDINYL UREA
PROTALAN IPL	ISOPROPYL LANOLATE
PROTACHEM IPM NF	ISOPROPYL MYRISTATE
PROTACHEM IPP NF	ISOPROPYL PALMITATE
PROCOL IS-20	ISOSTEARETH-20
PRO-AQUA ISL	ISOSTEARETH-200 LINOLEATE
PROTACHEM ISL	ISOSTEARYL LINOLEATE
PROTACHEM ISP	ISOSTEARYL PALMITATE
JOJOBA OIL	JOJOBA OIL
PROTALAN ALCOHOL	LANOLIN ALCOHOL
PROTALAN OIL	LANOLIN OIL
PROTALAN WAX	LANOLIN WAX
PROTAMIDE 1224	LAURAMIDE DEA
PROTAMIDE LME	LAURAMIDE MEA
PROCOL LA-2	LAURETH-2
PROCOL LA-4	LAURETH-4
PROCOL LA-7	LAURETH-7
PROCOL LA-10	LAURETH-10
PROCOL LA-12	LAURETH-12
PROCOL LA-23	LAURETH-23
LAURIC ACID	LAURIC ACID
PROTACHEM LL	LAUROYL LYSINE
PROTAMIDE LNO	LINOLEAMIDE DEA
PROTACHEM LG	LAURYL GLUCOSIDE
MANGO BUTTER	MANGIFERA INDICA SEED BUTTER
METHYLPARABEN NF	METHYLPARABEN
PROTALAN M-16	MINERAL OIL/LANOLIN ALCOHOL
PROTALAN M-26	MINERAL OIL/LANOLIN ALCOHOL
MYRISTIC ACID	MYRISTIC ACID
PROTACHEM MM	MYRISTYL MYRISTATE
PROTACHEM MST NF, V	MYRISTYL STEARATE
PROTACHEM NP-9	NONOXYNOL-9
PROTACHEM OP-9	OCTOXYNOL-9
PROCOL OA-2	OLETH-2
PROCOL OA-5	OLETH-5
PROCOL OA-10	OLETH-10
PROCOL OA-20	OLETH-20
PALMITIC ACID	PALMITIC ACID
di-PANTHENOL	PANTHENOL

Custom Blending

Custom Manufacturing



ALPHABETICAL > P / Z INDEX

PROTOX C-2	PEG-2 COCAMINE
PROTOX C-15	PEG-15 COCAMINE
PROTOX O-15	PEG-15 OLEAMINE
PROTOX S-2	PEG-2 SOYAMINE
PROTACHEM 400	PEG-8
PROTACHEM HCO-25	PEG-25 HYDROGENATED CASTOR OIL
PROTACHEM HCO-40	PEG-40 HYDROGENATED CASTOR OIL
PROTACHEM HCO-40-R	PEG-40 HYDROGENATED CASTOR OIL
PROTACHEM HCO-60	PEG-60 HYDROGENATED CASTOR OIL
PROTACHEM CO-30	PEG-30 CASTOR OIL
PROTACHEM CO-40	PEG-40 CASTOR OIL
PROTACHEM CO-60	PEG-60 CASTOR OIL
PROTACHEM CO-200	PEG-200 CASTOR OIL
PROTAMATE 200-DL	PEG-4 DILAUATE
PROTAMATE 6000-DS	PEG-150 DISTEARATE
PROTAMATE 600-ML	PEG-12 LAURATE
PROTAMATE 200-OC	PEG-4 OLEATE
PROTAMATE 400-DPS	PEG-8 STEARATE
PROTAMATE 1000-DPS	PEG-20 STEARATE
PROTAMATE 1540-DPS	PEG-40 STEARATE
PROTAMATE 2000-DPS	PEG-40 STEARATE
PROTAMATE 4400-DPS	PEG-100 STEARATE
PROTACHEM GC-7	PEG-7 GLYCERYL COCOATE
PROTACHEM GC-30	PEG-30 GLYCERYL COCOATE
PROTACHEM 75	PEG-75
PROTALAN L-75/50	PEG-75 LANOLIN/WATER
PEPPERMINT OIL	PEPPERMINT OIL
AVOCADO OIL	PERSEA GRATISSIMA OIL
PROTACIDE PE	PHENOXYETHANOL
PROTACHEM 100	POLYGLYCERYL-3-OLEATE
PROTASORB L-20	POLYSORBATE-20
PROTASORB L-20 NF	POLYSORBATE-20
PROTASORB L-20 K	POLYSORBATE-20
PROTASORB P-20	POLYSORBATE-40
PROTASORB S-20	POLYSORBATE-60
PROTASORB S-20 NF	POLYSORBATE-60
PROTASORB S-20 K	POLYSORBATE-60
PROTASORB O-20	POLYSORBATE-80
PROTASORB O-20 NF	POLYSORBATE-80
PROTASORB O-20 K	POLYSORBATE-80
PROTASORB TO-20	POLYSORBATE-85
PROTALAN 98	POLY80/CETYLACETATE/ ACETYLATEDLANOLIN ALCOHOL
POTASSIUM SORBATE	POTASSIUM SORBATE

PROCOL PCA-10	PPG-10 CETYL ETHER
PROCOL PSA-15	PPG-15 STEARYL ETHER
PROTALAN AWS	PPG-12-PEG-50 LANOLIN
PROTACHEM AWS-100	PPG-5 CETETH-20
PROPYLENE GLYCOL	PROPYLENE GLYCOL V
PROTACHEM PGMS	PROPYLENE GLYCOL STEARATE
PROPYL PARABEN NF	PROPYL PARABEN
ALMOND BUTTER	PRUNUS AMYGDALUS DULCIS
APRICOT OIL	PRUNUS ARMENIACA KERNEL OIL
SESAME OIL	SESAMUM INDICUM (SEED) OIL
SAL BUTTER	SHOREA ROBUSTA SEED BUTTER
ILLIPE BUTTER	SHOREA STENOPTERA BUTTER
PROTACHEM AOS	SODIUM C14-16 OLEFIN SULFONATE
PROTAPON SCI flakes/powder	SODIUM COCOYL ISETHIONATE
PROTACHEM ES-2	SODIUM LAURETH SULFATE
PROTACHEM ES-70	SODIUM LAURETH SULFATE
PROTAPON 24-A	SODIUM METHYL COCOYL TAURATE
PROTAPON 30-A	SODIUM METHYL COCOYL TAURATE
PROTACHEM SPCA	SODIUM PCA
SORBIC ACID	SORBIC ACID
PROTACHEM SML	SORBITAN LAURATE
PROTACHEM SMO	SORBITAN OLEATE
PROTACHEM SOC	SORBITAN SESQUIOLEATE
PROTACHEM SOC-V	SORBITAN SESQUIOLEATE
PROTACHEM SMS	SORBITAN STEARATE
PROTACHEM SMS-K	SORBITAN STEARATE
PROTACHEM STO	SORBITAN TRIOLEATE
PROTACHEM STS	SORBITAN TRISTEARATE
PROCOL SA-2	STEARETH-2
PROCOL SA-20	STEARETH-20
PROCOL SA-21	STEARETH-21
STEARIC ACID TP , NF	STEARIC ACID
STEARYL ALCOHOL	STEARYL ALCOHOL
PROCOL ST-20-G	STEARYL ALCOHOL/CETEARETH-20
SWEET ALMOND OIL	PRUNUS AMYGDALUS DULCIS
COCOA BUTTER USP	THEOBROMA CACAO SEED BUTTER
COCOA BUTTER NF	THEOBROMA CACAO SEED BUTTER
COCOA BUTTER PPP	THEOBROMA CACAO SEED BUTTER
VITAMIN E ACETATE USP	TOCOPHERYL ACETATE
TRICLOSAN	TRICLOSAN
PROTACIDE NA3 EDTA	TRISODIUM EDTA
DHUPA BUTTER	VATERIA INDICA SEED BUTTER
PROTAQUAT ASP	■ HAIR CONDITIONING > SEE SPECS

PROTAMEEN



Emulsifying Blends

Emulsifying blends of balanced O/W emulsifiers.

The primary use of emulsifying blends is in Cosmetic and Personal Care products such as creams, lotions, and conditioners.

Blends can be used as a thickener, viscosity controlling agent, and foam controlling agent for many cosmetic preparations.

Emulsifying blends are compatible with most surfactants.

▲ New Jersey ▲ Miami ▲ Chicago ▲ Dallas ▲ Los Angeles ▲

WORLD-WIDE PROCUREMENT

▲ North America ▲ South America ▲ Europe ▲ Asia ▲ Africa ▲ Australia ▲ Middle East ▲



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