PROTAMEEN

Specialty Products

Digital Brochure

Technical Information





Cosmetic and Personal Care Raw Materials

PROTACHEM ISP [TM]

INCI Name: Isostearyl Palmitate

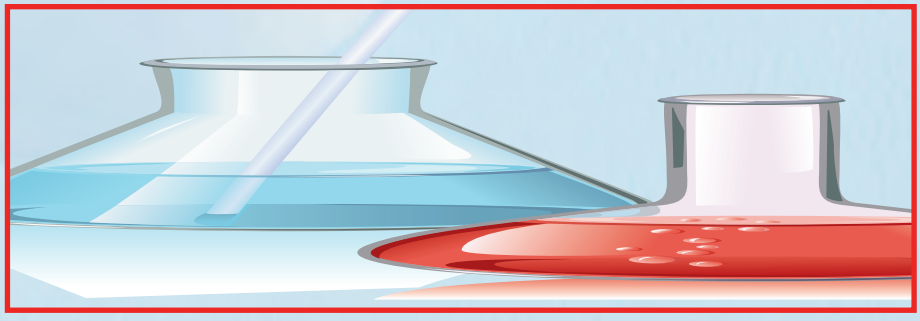
OIL SOLUBLE ESTER

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.**

In stick formulations, Protachem ISP provides excellent pour and mold-release properties, while imparting remarkable spreadability.

Protachem ISP 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%, Protachem ISP imparts a light, silky emolliency, eliminating the greasy feel of mineral oil or other heavier esters.



Protachem ISP is derived from renewable, non-animal source raw materials which is a real plus in today's rapidly evolving consumer marketplace.

ELEGANT SILKY FEEL

PROTACHEM ISL [TM]

INCI Name: Isostearyl Linoleate

OIL SOLUBLE ESTER

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

It is an unusual emollient that combines the non-occlusive lubricity of a branched chain monoester with the full-bodied non-oily characteristics of a fatty acid ester.

Protachem ISL is derived from isostearyl alcohol and linoleic acid. Linoleic acid is required for maintenance of cutaneous barrier function. In insufficient amounts, skin becomes scaly, exhibits hyperproliferation and increased transepidermal water loss (TEWL).

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

Protachem 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.

MOISTURIZATION

PRO-AQUA ISL [TM]

INCI Name: Isostearеth 200 Linoleate

WATER SOLUBLE ESTER

Pro-aqua ISL ***(Isostearеth-200 Linoleate)*** **is the sister product to our ever popular specialty emollient, Protachem ISL** ***(Isostearyl Linoleate)*** **which has been proven to deliver long-term moisturization to dry skin.**

Due to the highly lipophilic nature of the Protachem ISL, this product was limited to use in emulsions and anhydrous systems - until now.

Pro-aqua ISL was developed to offer the same benefits of Protachem ISL in surfactant and water based formulations. Pro-aqua ISL can be used in clear shampoos and styling products to improve shine, in surfactant based bath and body products to impart a pleasant after-feel to the skin and in water based gel

Pro-aqua ISL also acts as an emulsifier or co-emulsifier in O/W lotions and creams

Typical Properties

Pro-aqua ISL is available in a pastille form and is readily water soluble.

Appearance:	Off-white colored pastille.
Color (Gardner):	3 Maximum
Melt Point:	50°C
pH (5% Aq. Sol.):	3.0 - 5.0

WATER SOLUBLE ESTER

PROTAPHOS CES - P [TM]

INCI : CETEARYL ALCOHOL (AND) DICETYL PHOSPHATE
(AND) CETETH-10 PHOSPHATE

Properties:

Appearance @ 25C	Waxy Solid or Flakes
Color, Gardner	White to off White
Odor	Mild, Charactaristic
Ionic Nature	Anionic / Non-ionic
Melting Range C	54 - 58
Acid Value,mg KOH/gram	40.0 - 60.0
Solubility	Dispersible in water
Ph 2.0% (70-30 IPA-H2O)	2.0 - 3.5



Suggested Applications: **Surfactant - Emulsifying Agent**

PROTAPHOS CES - P is a blend of fatty alcohol and phosphate esters and is offered in a free acid form.

PROTAPHOS CES - P can be neutralized to any desired pH with basic materials such as TEA, MEA, AMMONIA, SODIUM OR POTASSIUM HYDROXIDES.

PROTAPHOS CES - P has use in a wide range of applications such as anionic-nonionic oil/water emulsifiers in skin care, sun screen, hair care, and baby care, imparting a pleasant superiour silky luxurious feel on the substrate of the skin.

PROTAMEEN CHEMICALS INC
375 MINNISINK ROAD
TOTOWA NJ 07511 USA
TEL 973.256.4374
INFO@PROTAMEEN.COM WWW.PROTAMEEN.COM

Baby Shampoo Formulation Featuring

Protachem BSCB [TM]

INCI Name: Protachem BSCB (INCI Name: PEG-80 Sorbitan Laurate (and) Sodium Trideceth Sulfate (and) Cocamidopropyl Betaine)

Baby Shampoo w/Protachem BSCB

Phase	Ingredient	% Wt.
A1	Water	69.05
A2	Protacide Na2-P (Disodium EDTA)	0.10
A3	Protaquat 10 (Polyquaternium-10)	0.50
A4	*Protachem BSCB *	30.00
B1	Protacide DMDM-H (DMDM Hydantoin)	0.35
C1	Citric Acid	qs to pH 6.0-6.5
D1	Fragrance	qs
E1	Yellow 10	qs
E2	Orange 4	qs
		100.00%

Manufacturing Procedure:

1. Add Water to the manufacturing vessel and initiate agitation. Add A2 and mix to dissolve.
2. Slowly add A3 and mix to completely disperse.
3. Add A4 and mix with until uniform.
4. Add B1 and mix until uniform.
5. Adjust the pH to 6.0 – 6.5 with Citric Acid (C1).
6. Add fragrance and color and mix until uniform.

*PROTACHEM BSCB>

(INCI Name: PEG-80 Sorbitan Laurate (and) Sodium Trideceth Sulfate (and) Cocamidopropyl Betaine)

PROTAMEEN CHEMICALS INC
375 MINNISINK ROAD
TOTOWA NJ 07511 USA
TEL 973.256.4374 FAX 973.256.6764
INFO@PROTAMEEN.COM WWW.PROTAMEEN.COM

Protacide PSP Blend

Component	CAS No.	EC No.	% w/w
Phenoxyethanol	122-99-6	204-589-7	80.0 - 85.0%
Water	7732-18-5	7732-18-5	10.0 - 15.0%
Potassium Sorbate	24634-61-5	590-00-1	2.0 - 3.0%
Sodium Benzoate	532-32-1	208-534-8	2.0 - 3.0%

Protacide PSP Blend is a broad-spectrum preservative blend based on Phenoxyethanol, Sodium benzoate and Potassium sorbate.

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 moulds.

For this blend to be effective, the pH of final formulation should range from 3.0 to 6.0.
Protacide PSP Blend is soluble in water, alcohols, and glycols.
Protacide PSP Blend will tolerate working temperatures up to 80°C.
Protacide PSP Blend is very mild to the skin, and can be used in aqueous systems or emulsions for rinse-off and leave-on applications.

Typical applications include:

- Hair care: gels, shampoos, lotions, conditioners, mousses.
- Body & face care: serums, tonics, gels, lotions, creams, masks, wipes.
- Make-up: foundations, wipes, powders.
- Shaving products: shave soaps, gels, aftershave balms, lotions, creams.
- Sun products: sunscreens, suntans, after-sun.
- Bath products: shower gels, bubble baths, hand-cleaners, powders, wipes.
- Baby care: shampoos, bath products, lotions, creams, oils, powders, wipes.

The typical use levels of Protacide PSP Blend are 0.50 - 1.0%, In this range no additional preservatives are required.

PROTAMEEN CHEMICALS INC.
375 Minnisink Road
Totowa, New Jersey 07511Telephone: 973.256.4374 INFO@PROTAMEEN.COM
WWW.PROTAMEEN.COM

PROCOL EB K [tm]

[specialty emulsifying blend]

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

Test/Property	Specifications
Iodine Value:	**0.00 - -3.00**
Melting Point, °C:	**60 - 70**
Acid Value (mg KOH/g):	**30 – 60**
Odor:	**Slight, Organoleptic**
pH (1.0%):	**7.0 – 8.5**
Saponification Value:	**100.00 - 115.00**
Appearance @ 25°C:	**White to Off Flakes or Pastilles**

Suggested Applications:

Procol EB-K is a blend of balanced O/W emulsifiers naturally derived from Vegatable Oils.

The EB-K 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 also be used as a thickener, viscosity building 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.

USAGE LEVEL: 5 - 10 - %

PROTAMEEN CHEMICALS INC.
375 Minnisink Road
Totowa, New Jersey 07511 USA
Telephone: 973.256.4374
INFO@PROTAMEEN.COM PROTAMEEN.COM

Protaquat ASP

(INCI Name: Cetearyl Alcohol (and) PEG-40 Hydrogenated Castor Oil (and) Stearalkonium Chloride)

APPEARANCE @ 25 C	OFF WHITE FLAKE
% ACTIVITY AS CATIONIC	10% MINIMUM
% MOISTURE:	1.0 MAXIMUM
MELTING RANGE DEG C:	60 - 68
pH (1% SOLN):	5.0 - 6.0
COLOR (GARDNER)	3 MAXIMUM

EXCELLENT CONCENTRATE FOR CREME RINSES AND HAIR CONDITIONERS

SPECIAL FEATURES:

PROTAQUAT ASP IS A BALANCED, READY TO USE CONCENTRATE FOR THE MANUFACTURE OF HIGH QUALITY CREME RINSES AND HAIR CONDITIONERS AT LEVELS AS LOW AS 3%. **PROTAQUAT ASP** IS COMPATIBLE WITH PROTEINS, HERBAL EXTRACTS, ESTERS AND OTHER SPECIALTIES. **PROTAQUAT ASP** IS MILD TO THE EYES, SKIN AND SCALP AND IS THE IDEAL CONDITIONING AND SOFTENING AGENT IN HAIR CARE PREPARATIONS.

TYPICAL APPLICATIONS:

THE CHEMICAL AND PHYSICAL PROPERTIES OF **PROTAQUAT ASP** ENABLE THE COSMETIC FORMULATOR TO DEVELOP EFFECTIVE HAIR PRODUCTS WITH OUTSTANDING CONDITIONING AND SOFTENING CHARACTERISTICS. THE HAIR IS LEFT SOFT, MANAGEABLE, TANGLE FREE AND EASY TO COMB.

PROTAMEEN CHEMICALS INC.
375 MINNISINK ROAD TOTOWA NJ 07511 USA
TEL: 973.256.4374 facebook.com/protameen
info@protameen.com www.protameen.com

PROTACHEM CER [tm]

(CETYL RICINOLEATE)

Protachem CER [Cetyl Ricinoleate] is an emollient ester of Cetyl Alcohol and Ricinoleic Acid.

Derived from Castor Oil, a natural **Vegetable** based product, which exhibits an outstandingly light, yet lubricious feel.

Non-comedogenic, non-irritating to the skin and has a neutral taste.

Melting point similar to skin temperature with excellent moisturizing properties.

Provides a soft, smooth, application with high shine.

Non-greasy feel similar to petrolatum but much less occlusive allowing the skin to breathe.

Excellent pigment wetting properties - Excellent film former.

Applications:

LIP STICK PRODUCTS ◇ MAKE-UP FORMULATIONS ◇ MAKE-UP REMOVERS
FACIAL CLEANSERS ◇ FACE AND BODY MOISTURIZERS
ANTI-AGING FACE CARE PRODUCTS

APPEARANCE @ 25 C:	SOFT SOLID
COLOR (GARDNER SCALE):	6 MAXIMUM
MOISTURE:	0.5% MAXIMUM
HYDROXYL VALUE:	90 - 115
SAPONIFICATION VALUE:	90 - 115
ACID VALUE:	5.0 MAXIMUM
IODINE VALUE:	42 - 57

SPECIFICATIONS

SKIN CARE LIP CARE BEAUTY CARE

PROTAMEEN CHEMICALS INC.
375 Minnisink Road
Totowa, New Jersey 07511
Telephone: 973.256.4374 facebook.com/protameen
info@protameen.com www.protameen.com

PROTACHEM LL [TM]

INCI Name: LAUROYL LYSINE

Protachem LL, derived from L-Lysine (an amino acid) and lauric acid, is a highly lubricious functional powder ideally suited for make-up products, pressed powders, loose powders, creams and lotions and hair care products.

The hydrophobic characteristic of Protachem LL improves the water resistance of make-up preparations and improves the flow and spreadability of oil/powder mixtures.

In hair care and skin care products, Protachem LL will act as a conditioning agent leaving skin and hair with a smooth and silky feel.

Features and Benefits:

- High lubricity / low frictional coefficient
- Natural / Non-animal derived
- Surface modification (imparts hydrophobicity to hydrophilic powders)
- Antistatic effects
- Anti-oxidative properties
- Safe ingredient
- Skin and hair conditioner

Typical Use Level: ***1-5%***

PROTAMEEN CHEMICALS INC
375 MINNISINK ROAD
TOTOWA NJ 07511 USA
TEL 973.256.4374 FAX 973.256.6764
INFO@PROTAMEEN.COM WWW.PROTAMEEN.COM

PROTACHEM MST [TM]

INCI Name: Myristyl Stearate

Protachem MST Is a synthetic wax with properties similar to the natural wax found within the blubber of Whales. Developed as an alternative to Whale derived ingredients, yet retaining the original benefits associated with Whale blubber.

Protachem MST is an excellent emollient and viscocity builder which provides an elegant lubriscous feel in skin care aplications.

Protachem MST also provides hydration and smooth spreadability for an luxurious feel upon the skin.

Synonyms: CETYL ESTERS, SPERMACETI WAX; SPERMACETI WAX, REFINED, and SYNTHETIC SPERMACETI WAX

Availble: MST Vegatable Derived, - MST Vegatable Derived-RSPO - MST Animal/Veg Derived (non-whale)

SPECIFICATIONS

***Protachem MST** is found in a white flaked form*

TEST PARAMETER	SPECIFICATION
APPEARANCE AT 25C:	White flake
ODOR:	Bland
COLOR	(GARDNER SCALE): 1 Max
MELTING RANGE:	42°C to 47°C
ACID VALUE:	5 MAX
SAPONIFICATION VALUE:	109 - 120
IODINE VALUE:	1 MAX
FREE FATTY ACID %	2.5 MAX
% ASSAY (Saturated Esters)	90 MIN
% ASSAY (Cetyl Palmitate)	10 MIN
FREE FATTY ALCOHOL %	0.0 – 7.5
PARAFFIN & FREE ACIDS	COMPLIES

PROTAMEEN CHEMICALS INC
375 MINNISINK ROAD
TOTOWA NJ 07511 USA
TEL 973.256.4374
facebook.com/protameen
info@protameen.com www.protameen.com

PROTACIDE Na3 EDTA [tm]

(INCI: Trisodium EDTA)

Chemical Name:	**Ethylenediaminetetraacetic acid trisodium salt trihydrate**
Chemical Formula:	**EDTA-Na3H·3H2O**
Molecular Weight:	**412.2 (Hydrated)**
CAS Number:	**150-38-9**

Specifications:

Appearance @ 25°C:	**White Crystalline powder**
Assay, %:	**98 MIN**
Chelation Value (CACV):	**240 MIN**
pH (10.0% Aq. Soln.):	**8.2 – 8.8**

PROTACIDE Na3 EDTA is a chelating agent, commonly used to sequester free-metal ions in finished products to prevent undesired reactions within the formulation.

Adding **PROTACIDE Na3 EDTA** to your formulation can improve color and odor stability in leave-on products, cosmetics and nutritional supplements.

Additionally, **PROTACIDE Na3 EDTA** works well in rinse-off products, especially where the presence of hard water is of concern.

Water Solubility: ~ 200 g/L

Sequestering Values:

Metal Ion	pH Range	mg Metal/g Na3 EDTA
Calcium	5 – 14	95
Copper	2 – 14	155
Ferric	1 – 7	135
Magnesium	6 – 12	60
Manganese	3 – 14	130



Recommended Use Level: 0.1 – 0.3%

PROTAMEEN CHEMICALS INC.
375 Minnisink Road
Totowa, New Jersey 07511
Telephone: 973.256.4374 Fax: 973.256.6764
INFO@PROTAMEEN.COM WWW.PROTAMEEN.COM

PROTACHEM TN [tm]

(C12-C15 Alkyl Benzoate)

Skin Conditioning Ester

Offers light conditioning and leaves a soft silky feeling on both skin and hair

<u>Used in wide variety of products including:</u>
Skin care, Hair care, Sun care, Color cosmetics, Baby care and Bath products

Clear thin liquid, oil soluble

Anti-tack, anti-whitening

Can be used as a solvent for essential oils or sun care ingredients

Non-irritating, non-comedogenic

Excellent wetting agent

Typical use level: 1 - 30%

APPEARANCE	CLEAR LIQUID
ODOR	CHARACTERISTIC
COLOR (APHA)	30 MAX
ACID VALUE	0.5 MAX
SAPONIFICATION VALUE:	169-182
MOISTURE %	5.0 MAXIMUM
IODINE VALUE:	0.3 MAX

SPECIFICATIONS

Skin Conditioning Emollient Ester

PROTAMEEN CHEMICALS INC.
375 Minnisink Road
Totowa, New Jersey 07511
Telephone: 973.256.4374
info@protameen.com www.protameen.com facebook.com/protameen

Protachem DG [tm]

(Decyl Glucoside)

Use Description:	**Surfactant**
CAS Number:	**68515-73-1, 110615-47-9**
Empirical Formula:	**C16H32O6**

Specifications:

Appearance @ 25°C:	**Turbid, Viscous Yellow Liquid**
Active, %:	**50 – 54**
Color, Gardner:	**3 MAX**
pH 10% (85/15 Water/IPA):	**11.5 – 12.5**

Suggested Applications:

PROTACHEM DG is a natural, vegetable-derived, 100% renewably resourced non-ionic surfactant.

PROTACHEM DG is a sulfate-free and extremely mild surfactant, with excellent foaming capabilities and can be used as a primary or secondary surfactant.

PROTACHEM DG exhibits gentle cleansing perfect for all your skin care, baby care, personal care and pet care needs.

PROTACHEM DG is preservative free, ethylene oxide and dioxane free, GMO-free and Gluten-free.

PROTAMEEN CHEMICALS INC.
375 Minnisink Road
Totowa, New Jersey 07511
Telephone: 973.256.4374
INFO@PROTAMEEN.COM WWW.PROTAMEEN.COM

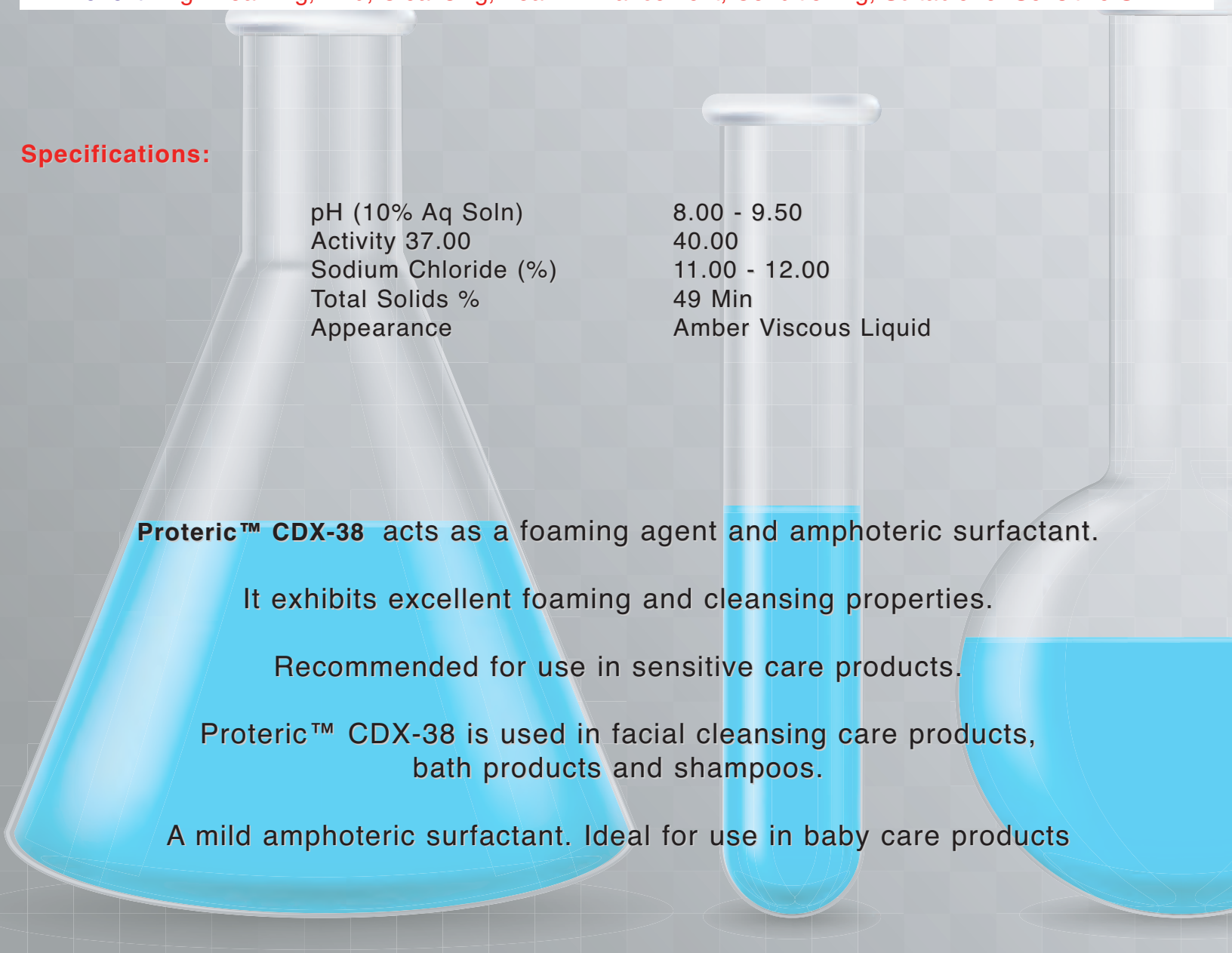
Proteric™ CDX-38

INCI [Disodium Cocoamphodiacetate]

Benefit: High Foaming, Mild, Cleansing, Foam Enhancement, Conditioning, Suitable for Sensitive Skin

Specifications:

pH (10% Aq Soln)	8.00 - 9.50
Activity 37.00	40.00
Sodium Chloride (%)	11.00 - 12.00
Total Solids %	49 Min
Appearance	Amber Viscous Liquid



Proteric™ CDX-38 acts as a foaming agent and amphoteric surfactant.

It exhibits excellent foaming and cleansing properties.

Recommended for use in sensitive care products.

Proteric™ CDX-38 is used in facial cleansing care products, bath products and shampoos.

A mild amphoteric surfactant. Ideal for use in baby care products

PROTAMEEN CHEMICALS INC.
375 Minnisink Road
Totowa, New Jersey 07511
Telephone: 973.256.4374
INFO@PROTAMEEN.COM WWW.PROTAMEEN.COM

Procol SA-21

Steareth 21

Derived from Stearic Acid, PROCOL SA-21 is commonly used as an emulsifier in personal care and cosmetic products.

With its high HLB value (15.5), PROCOL SA-21 can be used in lotions, creams, pastes and stick products.

PROCOL SA-21 is also used as a wetting agent, conditioner and solubilizer and works well in make-up preparations, fragrances, skin and hair care products.

APPEARANCE (25°C):	WHITE WAXY SOLID OR POWDER
COLOR (GARDNER):	1 MAX
IR IDENTITY:	MATCHES STANDARD
ACID VALUE:	2.0 MAX
HYDROXYL VALUE:	44 - 61
MOISTURE (%):	2 MAX
MELTING POINT:	43° – 47°C

PROTAMEEN CHEMICALS INC.
375 Minnisink Road
Totowa, New Jersey 07511
Telephone: 973.256.4374 Fax: 973.256.6764
info@protameen.com

Protachem SPCA [TM]

INCI Name: Sodium PCA – 50%



Product Description:

Protachem SPCA is the sodium salt of 2-pyrrolidone-5-carboxylic acid, enzymatically derived from glutamic acid (an amino acid) and is sold as a 50% aqueous solution.

Commonly referred to as the Natural Moisturizing Factor, Sodium PCA occurs naturally in human skin and is responsible for binding moisture to the cells.

Sodium PCA is a high performance humectant that can hold several times its weight in water.

These water binding properties make Protachem SPCA an ideal moisturizer for skin and hair care products.

Features and Benefits:

- Found in skin and plays the role of a natural moisturizing factor ingredient.
- Extremely hygroscopic and imparts a pleasant moist feeling to skin and hair.
- Increases softness and elasticity of skin and hair.
- Good anti-static agent for hair care products.
- Stable in a broad range of temperature and pH.
- Rapidly biodegradable.
- Use in skin care, hair care, sun care and color cosmetic products.
- Typical Use Level: 1-5%

Note: Do not use this product in formulas containing N-nitrosating agents.

SPECIFICATIONS

Appearance:	Colorless to pale yellow liquid
Nitrogen Content (%):	4.45 – 4.82
Specific Gravity:	1.25 – 1.30
Transmittance (%):	96% MIN
pH @ 25°C:	6.8 – 7.4
Solids (%):	48 to 52

PROTAMEEN CHEMICALS INC
375 MINNISINK ROAD TOTOWA NJ 07511 USA
TEL 973.256.4374 FAX 973.256.6764
INFO@PROTAMEEN.COM WWW.PROTAMEEN.COM

PROTAMER™

THICKENING AGENTS AND RHEOLOGY MODIFIERS

Protameen	INCI	Fact	Products
Protamer C-934	Carbomer	Go-to industry standard, high viscosity, short flow, opaque	Lotions, Creams, Color Cosmetics
Protamer C-940	Carbomer	Go-to industry standard, high viscosity, short flow, clear	Clear Gels, Lotions, Creams, Styling Products, Color Cosmetics, SPF
Protamer C-941	Carbomer	Go-to industry standard, low viscosity, long flow, clear	Clear Gels, Lotions, Creams, Sprays
Protamer C-980	Carbomer	High viscosity, short flow, clear, No Benzene	Clear Gels, Lotions, Creams, Styling Products
Protamer C-981	Carbomer	Low viscosity, long flow, clear, No Benzene	Clear Gels, Lotions, Creams, Sprays
Protamer C-2020	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	High clarity, high viscosity	Rheology, Viscosity Increasing, Emulsion Stabilizer
Protamer Z-10	Carbomer	Self-wetting, high clarity, medium flow, high viscosity	Clear Gels, Surfactant Systems, Lotions, Creams
Protamer Z-20	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Self-wetting, high clarity, medium visocisty, electrolyte tolerance	Clear Gels, Lotions, Creams, Mild Cleansers, Styling Products, SPF
Protamer Z-21	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Self-wetting, thickening and high stabilization, works with alcohol and water	Clear Gels, Hydroalcoholic Gels, Lotions, Creams, Sprays, SPF
Protamer LG-1	Acrylates Copolymer	Liquid polymer, pH flexible, clear, enhances pearl and mica in surfactant systems	Clear Gels, Surfactant Systems, Lotions, Creams, Conditioners, High Electrolyte Systems
Protamer PE-1	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Stabilizes oil in water systems with up to 20% oil	Emulsion Systems, moderate oil content
Protamer PE-2	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Stabilizes oil in water systems with up to 50% oil	Emulsion Systems, high oil content



Ideal For Your

Hand Sanitizer

Formulations



Carbomer

Acrylates/C10-30 Alkyl Acrylate Crosspolymer

Acrylates Copolymer

PROTAMEEN
375 MINNISINK ROAD
TOTOWA NJ 07511 USA
TEL 973.256.4374
INFO@PROTAMEEN.COM WWW.PROTAMEEN.COM FACEBOOK.COM/PROTAMEEN

ALPHABETICAL > **A / P** INDEX

PROTALAN MOD	ACETYLATED LANOLIN
ANHYDROUS LANOLIN	ANHYDROUS LANOLIN
PROTAPHENONE AVO	AVOBENZONE
PROTAPHENONE-3	PROTAPHENONE-3
PROTAPHENONE-4	BENZOPHENONE-4
BUTYLPARABEN NF	BUTYLPARABEN
SHEA BUTTER	BUTYROSPERMUM PARKII
PROTACHEM TN	C12-15 ALKYL BENZOATE
PROTACHEM CTG [palm]	CAPRYLIC/CAPRIC TRIGLYCERIDE
PROTACHEM CTG [coconut]	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-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
PROTAPHOS CES P	CETEARYL ALCOHOL (AND) DICETYL PHOSPHATE (AND) CETETH 10 PHOSPHATE
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
COCONUT OIL	COCOS NUCIFERA (COCONUT) OIL
PROTACHEM DG	DECYL GLUCOSIDE
PROTACHEM DGS	DIGLYCOL STEARATE
PROTERIC CDX-38	DISODIUM COCOAMPHODIACETATE
PROTERIC CEM-38	DISODIUM COCOAMPHODIPROPIONATE
PROTACHEM NA2-P [USP]	DISODIUM EDTA
PROTACHEM NA2-P [STN]	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
PROTACHEM GMS-D	GLYCERYL STEARATE SE
PROTACHEM GMS-D VEG	GLYCERYL STEARATE SE
PROTACHEM GMS-165	GLYCERYL STEARATE SE
PROTACHEM GMS-165 V	GLYCERYL STEARATE/PEG-100 STEARATE
PROTACHEM EGDS	GLYCOL DISTEARATE
PROTACHEM EGMS	GLYCOL STEARATE
PROTACHEM EGMS VEG	GLYCOL STEARATE
PROTADERM G	GLYCOLIC ACID
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
PROTALAN ALCOHOL	LANOLIN ALCOHOL
PROTALAN OIL	LANOLIN OIL
PROTALAN WAX	LANOLIN WAX
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
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	MYRISTYL STEARATE
PROTACHEM MST VEG NF	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
dl-PANTHENOL	PANTHENOL
dl-PANTHENOL 50%	PANTHENOL

PROTAMEEN CHEMICALS

ALPHABETICAL > **P / Z** Index

PROTOX C-2	PEG-2 COCAMINE
PROTOX C-15	PEG-15 COCAMINE
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-40-K	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 DILAURATE
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
PROTASORB L-80	PEG-80 SORBITAN LAURATE
PROTACHEM BSCS	SHAMPOO CONCENTRATE > SEE BELOW ■
PEPPERMINT OIL	PEPPERMINT OIL
AVOCADO OIL	PERSEA GRATISSIMA OIL
PROTACIDE PE	PHENOXYETHANOL
PROTACIDE PSP BLEND	PRESERVATIVE BLEND > SEE BELOW ■
PROTACHEM 100	POLYGLYCERYL-3-OLEATE
PROTASORB L-20	POLYSORBATE-20
PROTASORB L-20 NF	POLYSORBATE-20
PROTASORB P-20	POLYSORBATE-40
PROTASORB S-20	POLYSORBATE-60
PROTASORB S-20 NF	POLYSORBATE-60
PROTASORB O-20	POLYSORBATE-80
PROTASORB O-20 NF	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 VEG	PROPYLENE GLYCOL
PROTACHEM PGMS	PROPYLENE GLYCOL STEARATE
PROPYL PARABEN NF	PROPYL PARABEN
APRICOT OIL	PRUNUS ARMENIACA KERNEL OIL
SESAME OIL	SESAMUM INDICUM (SEED) OIL
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
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 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 DEO	THEOBROMA CACAO SEED BUTTER
COCOA BUTTER DEO 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
PROTAQUAT ASP	HAIR CONDITIONING > SEE BELOW ■

■ Cetearyl Alcohol (and) PEG-40 Hydrogenated Castor Oil (and) Stearalkonium Chloride

■ Phenoxyethanol, H2O, Sodium Benzoate and Potassium Sorbate

PEG-80 Sorbitan Laurate (and) Sodium Trideceth Sulfate (and) Cocamidopropyl Betaine

RSPO Available

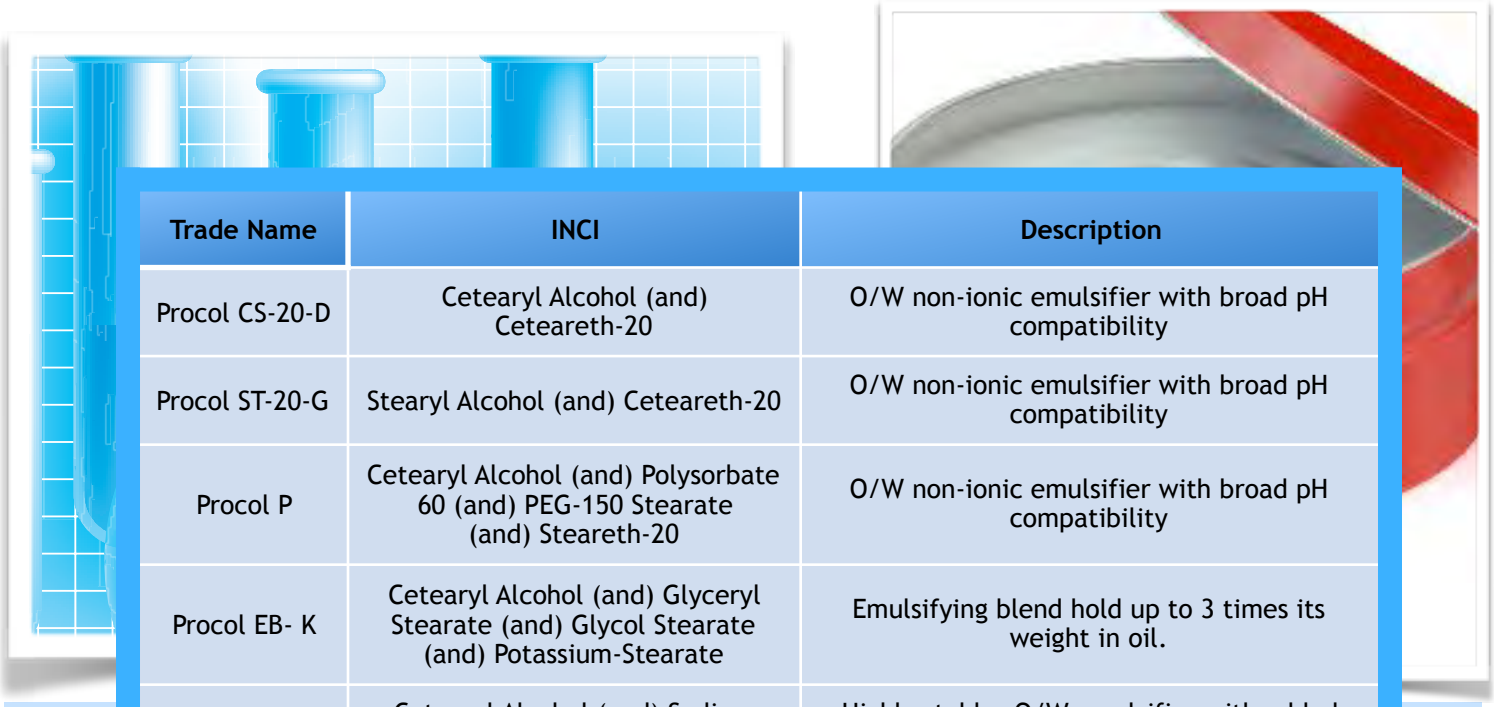
MADE IN THE USA
SERVICING THE WORLD

Protameen maintains facilities in strategic points >
WORLD-WIDE Headquartered in New Jersey,
Distribution points in Florida, Chicago, Dallas, and Los Angeles.

375 MINNISINK ROAD TOTOWA NJ 07512 USA
TEL: 973.256.4374 facebook.com/protameen
info@protameen.com

SPECIALTY

EMULSIFYING BLENDS



Trade Name	INCI	Description
Procol CS-20-D	Cetearyl Alcohol (and) Ceteareth-20	O/W non-ionic emulsifier with broad pH compatibility
Procol ST-20-G	Stearyl Alcohol (and) Ceteareth-20	O/W non-ionic emulsifier with broad pH compatibility
Procol P	Cetearyl Alcohol (and) Polysorbate 60 (and) PEG-150 Stearate (and) Steareth-20	O/W non-ionic emulsifier with broad pH compatibility
Procol EB- K	Cetearyl Alcohol (and) Glyceryl Stearate (and) Glycol Stearate (and) Potassium-Stearate	Emulsifying blend hold up to 3 times its weight in oil.
Procol CS-LS	Cetearyl Alcohol (and) Sodium Lauryl Sulfate	Highly stable, O/W emulsifier with added emolliency, anioinic
Procol CS-W	Cetearyl Alcohol (and) Polysorbate 60	High HLB value O/W emulsifier with added emolliency, industry standard
Protachem CES	Cetearyl Alcohol (and) Dicetyl Phosphte (and) Ceteth-10 Phosphate	High HLB value O/W emulsifier with added emolliency, industry standard
Protaphos DCP	Dihexadecyl Phosphate	Aniomic-Nonionic O/W emulsifier in skin care,sun screen, hair care

The primary use of emulsifying blends is for personal care products such as creams, lotions, and conditioners.

Manufactured in NJ USA



PROTAMEEN CHEMICALS INC.
375 Minnisink Road Totowa, New Jersey 07511
Telephone: 973.256.4374 INFO@PROTAMEEN.COM
WWW.PROTAMEEN.COM facebook.com/protameen

PROTAMEEN

Manufacturing in NJ

Product	INCI	Function
Procol CS-20-D	Cetearyl Alcohol (and) Ceteareth-20	Emulsifying Blend for O/W formulations
Procol CS-LS	Cetearyl Alcohol (and) Sodium Lauryl Sulfate	Emollient, Emulsifying Blend for O/W formulations
Procol CS-W	Cetearyl Alcohol (and) Polysorbate 60	Emollient, Emulsifying Blend for O/W formulations, High HLB
Procol P	Cetearyl Alcohol (and) Polysorbate 60 (and) PEG-150 Stearate (and) Steareth-20	Emulsifying Blend for O/W formulations, Broad pH Stability
Procol ST-20-G	Stearyl Alcohol (and) Ceteareth-20	Emulsifying Blend for O/W formulations, Broad pH Stability
Procol EB-K	Cetearyl Alcohol (and) Glyceryl Stearate (and) Glycol Stearate (and) Potassium-Stearate	Emulsifying Blend of balanced O/W emulsifiers. This blend can emulsify up to 3 times its weight in oil.
Protachem ISP	Isostearyl Palmitate	Emollient, Binding Agent, Skin Conditioning Agent
Protachem ISL	Isostearyl Linoleate	Emollient, Skin Conditioning Agent
Protachem ICS	Isocetyl Stearate	Skin Conditioning Agent, Emollient
Protachem G5509 V	Glyceryl Stearate SE	O/W Emulsifier, Good for High Oil Content formulations
Protachem GDL	Glyceryl Dilaurate	Skin Conditioning Agent, Emollient, Emulsifying Agent
Protachem MLD	Glyceryl Laurate	Emollient, Emulsifying Agent
Protachem MST	Cetyl Esters	Skin Conditioning Agent, Emollient, Thickening Agent
Protacide NA3 EDTA	Trisodium EDTA	Chelating Agent, Boosts Activity of Preservatives, Sun Screens, Blocks Heavy Metals from Oxidizing
Protalan M-16	Mineral Oil (and) Lanolin Alcohol	Binder, Emulsion Stabilizer, Hair Conditioning Agent, Anhydrous Viscosity Increasing, Antistatic, Emollient, Emulsifying Agent
Protamide HCA-A	Cocamide DEA	Surfactant, Foam Booster
Protamide CME	Cocamide MEA	Surfactant, Foam Booster, Viscosity Increasing Agent, Emulsifying Agent, Emulsion Stabilizing Agent
Protamide LME	Lauramide MEA	Surfactant, Foam Booster, Viscosity Increasing Agent, Emulsifying Agent, Emulsion Stabilizing Agent
Protaphos CES	CETEARYL ALCOHOL (AND) DICETYL PHOSPHATE (AND) CETETH-10 PHOSPHATE	High HLB value O/W emulsifier with added emolliecy
Protaphos DCP	Dicetyl Phosphate	Anionic-Nonionic O/W emulsifier in skin care,sun screen, hair care
Protaquat ASP	Cetearyl Alcohol & PEG-40 Hydrogenated Castor Oil & Stearalkonium Chloride	Hair Conditioning, Antistatic Ingredient, Emulsifying Agent

PROTAMEEN

375 MINNISINK ROAD

TOTOWA NJ 07511 USA TEL 973.256.4374

INFO@PROTAMEEN.COM WWW.PROTAMEEN.COM WWW.FACEBOOK.COM/PROTAMEEN

PROTAMEEN

EXPANDED 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!



Amidation, Esterification, Oxidation
Phosphation, Quaternization, Blending, Spray Drying, Flaking

Major Equipment List

SS304 and SS316 High Pressure Reactors

Ranging from Pilot to 4000 Gallons

Glass Lined Reactors

Drum Flaker, Conical Blenders, Centrifuge, Fitz Mills

2 Plate and Frame Filter Presses
2 Kettles with Double Action Sweeps

Vacuum Oven

Tel: 973.256.6764 info@protameen.com

WWW.PROTAMEEN.COM