



PROCHEM USA



We are your
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for the

**Innovation
and Development**
of your
Products



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We are your
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Innovation and Development
of your **Products.**

Our Services:

Research and Development is a strength in our company and the area where we evaluate the needs of our customers with a technical team that constantly studies and improves the application of our products and develops new products to support the technical and commercial development of our customers products.

To provide outstanding service, we make sure we are in constant communication with our customers so we can understand their needs, listen to their suggestions, and together develop the best possible products, and deliver excellence service for the complete satisfaction of their needs.

Our commercial team is always available and willing to work together with our customers so together we can address their needs in a timely manner.

Our Geographical Presence:

We offer complete supply and distribution services via our sales offices and allies in several countries in the Americas which include the United States, Colombia, Ecuador, Peru, Bolivia, Chile, Mexico, Guatemala, Dominican Republic, and more.

Our Organization:

We are a Colombian company committed to the production and distribution of specialties for the cosmetic, HI&I, food, and sugar industries.

We offer modern and highly technical production facilities for the production of the chemical specialties that have positioned our company as a leader in the markets in which we operate.



Our Certificates:



PEARLESCENT CONCENTRATED LIQUIDS

DESCRIPTION

Blend of pearlescent agents and surfactants used in cosmetics and household formulations; it provides a pearly and shiny texture. Liquid form facilitates **easy**, cost-effective, and particularly flexible incorporation in different formulations.

CHARACTERISTICS

- Compatible with anionic and nonionic surfactants.
- It is a blend of surfactants, viscosifiers, moisturizers, wetting and pearlescent agents.
- Designed to perform as a thickener, and pearlescent agent used in the manufacture of pet care, personal care, and household products.
- It's emulsifier, viscosifier, and stabilizer.
- Liquid form allows it to be used as pearlescent agent in cold processes.

ADVANTAGES

- ✓ It can be used as pearlescent agent in cold processes.
- ✓ It does not require heating for incorporation and homogenization.
- ✓ Easy handling and dosing.
- ✓ Saves time and energy.
- ✓ Increases the viscosity in the final product.
- ✓ Greater homogeneity in the final product.
- ✓ It contributes with actives to the finished product.



PRODUCT	INCI NAME
Anionic	
PROPEG EGMS 36	Sodium Laureth Sulfate (and) Glycol Stearate (and) Cocamide MEA (and) Laureth-9
PROPEG EGMS 45	Sodium Laureth Sulfate (and) Glycol Stearate (and) Cocamide DEA (and) Laureth-9
Amphoteric	
PROPEG EGDS 5000	Glycol Distearate (and) Laureth-4 (and) Cocamidopropyl Betaine

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8861 NW 102 ST - MEDLEY, FL, 33178 - USA
Phone: 305.6299919/786.9240914-15 - Fax: 305.6299903
E-mail: info@prochemusa.com



AMPHOTERIC SURFACTANTS

BETAINES

Surfactants whose main property is to create, keep, promote and strengthen the foam in personal care products and household. These products are biodegradable and show low irritability.

PROBETAINA CAPB (INCI: Cocamidopropyl Betaine)

- Foaming.
- It helps enhance viscosity.
- Compatible with quaternary ammonium compounds and other germicides.

PROBETAINA CAPB 50 (INCI: Cocamidopropyl Betaine)

- High concentration of active.
- It can be used in dosage up to 50% less than conventional Betaine.
- Preservative free.

PROBETAINA LAPB (INCI: Lauramidopropyl Betaine)

- C₁₂ fatty chains, with 99% purity.
- It generates excellent foaming and is stable in hard water.
- Compared to traditional betaines, it can be used in dosage up to 50% less.

PROBETAINE	DOSAGE IN DAILY USE SHAMPOO (%)	% ACTIVE DOSAGE	% CHLORIDE	VISCOSITY INDEX OF THE SHAMPOO (cPs)	FOAM STABILITY SHAMPOO AT 20%
CAPB	6.0	29 – 31	Up to 5.5	4900	50 mL in 40 minutes
CAPB 50	3.0	36 - 42	Between 5.8 to 7.3	5080	50 mL in 40 minutes
LAPB	3.5	29-31	Up to 5.5	5200	50 mL in 55 minutes

AMINE OXIDES

Surfactants with conditioning properties, detergency, softening and foam booster. These features make them ideal in formulations of shampoo, bath foam, light detergent, degreaser and dish soap.

Proaminox 12 (INCI: Cocamine oxide)

- Compatible with products containing hypochlorite.
- It can be used in alkaline or acidic cleaners and sanitizers.
- Used in the manufacture of softeners and antistatics in fabric.
- Solubilizes fragrances in bleaches base on hypochlorite.

Proaminox CAO (INCI: Cocamidopropyl amine oxide)

- Extra mild secondary detergent.
- Works at pH between 4 to 6.
- Excellent for use in formulations of baby products and toiletries.

Proaminox L (INCI: Lauramine Oxide)

- Thickener in bleaches base on hypochlorite.
- It is stable under PH acid, electrolytes and hard waters.
- Foam enhancer and stabilizer.
- Fragrances solubilizer in bleach on hypochlorite.



EMULSIFIERS

Multifunctional nonionic emulsifiers, made from raw materials of vegetal, which are allowed for use in cosmetic and pharmaceutical applications.



PROZOL GMS

(INCI: Glyceryl Stearate)

- Is an agent that provides consistency to ointments, creams and lotions, as well as anhydrous formulations, stick preparations, shampoos, creams and emulsified products.
- Lubricating agent in the manufacture of capsules and tablets.



PROZOL MOK

(INCI: Glyceryl Oleate)

- Emulsifying agent, release agent, lubricant and dispersant in creams and lotions, provides conditioning properties in body creams .
- Dispersing agent and emollient, used in bath oils.
- Dispersant in make-up.

PROZOL GMS-SE

(INCI: Glyceryl Stearate SE)

- Emulsifying agent with the ability to self emulsify in aqueous solutions.
- High HLB agent over traditional emulsifiers.
- Agent that provides viscosity properties in body creams, makeup bases , cleaning products for facial and eyeliners.
- Emulsion stabilizing agent.
- Emulsifying agent (o/w) emulsions for skin and haircare

PROZOL MSA-100

(INCI: Glyceryl Stearate (and) PEG-100 Stearate)

- Emulsifying agent in acidic environment; self-emulsifying properties.
- Electrolyte resistant.
- High stability in oil / water emulsions.
- Is used in the cosmetic industry in antiperspirants, creams, lotions, in general skin care and Haircare
- Viscosity modifier.

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POLYSORBATES

Nonionic surfactants not affected by high concentrations of electrolytes or pH changes. These products are used as emulsifiers, wetting agents, antistatic agents and dispersants of fragrances and oils in cosmetics and household products.

They increase the absorption of fat-soluble substances such as liquid paraffin, fragrances and flavors, among others.

PROSORB EO 20

(INCI: Polysorbate 20)

- Ethoxylated Sorbitan Monolaurate(20 moles)
- HLB:17
- Yellow liquid
- Hydroxyl value: between 96 to 108

PROSORB EO 60

(INCI: Polysorbate 60)

- Ethoxylated Sorbitan Monostearate (20 moles)
- HLB:15
- Yellow paste
- Hydroxyl index: between 81 to 96

PROSORB EO 80

(INCI: Polysorbate 80)

- Ethoxylated Sorbitan Monooleate (20 moles)
- HLB:15
- Yellow to amber liquid
- Hydroxyl index: between 64 to 80



ADVANTAGES

- ✓ Emulsion stabilizing agent
- ✓ Products with versatile applications widely used in different industries as cosmetic, household and food
- ✓ Formulation flexibility
- ✓ Biocompatible and low toxicity
- ✓ Best results when used in mixture with other emulsifiers, especially with their non-ethoxylated counterparts
- ✓ KOSHER certified

PROSORB EO 20

- It is mainly used as emulsifiers of fragrances and light oils in water.
- In home care products is milder than Prosorb EO 80.
- Suitable for extended leave-on products.

PROSORB EO 60

- Emulsifier for emulsions o/w and w/o in combination with Prosorb 60.
- Excipient used in the pharmaceutical and cosmetic industry.

PROSORB EO 80

- Emulsifier of heavy oils in water
- Excipient used in the pharmaceutical and cosmetic industry.

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BLEND S

Biodegradable concentrated bases, which contain stabilizing agents, designed for quick development of fabric softeners, liquid soaps, intimate soaps, hair rinses and shampoos, greatly improving processes time.



FABRIC SOFTENER CONCENTRATED BASES

- Cold processing fabric softeners.
- Softness, wetting, low yellowing.
- Easy ironing.
- Saves water.

PRODUCT	CHARACTERISTICS
PROBLEND ST 70 (INCI Denomination: Dihydrogenated tallowethyl hydroxyethylmonium methosulphate (and) Glyceryl Stearate (and) water)	Concentrated base biodegradable used for the manufacture of fabric softener.
PROBLEND ST LE-70 (INCI Denomination: Dihydrogenated tallowethyl hydroxyethylmonium methosulphate (and) lactic acid (and) cetareath-20 (and) Dimethicone (and) silica)	Concentrated base biodegradable used for the manufacture of fabric softener. The product contains 57.5% active ingredient.

HAIR CONDITIONER CONCENTRATED BASE

- For quick manufacturing of balms or rinses, without heating.
- Reduces manufacturing time, and cost
- Provides high viscosity and conditioning.

PRODUCT	CHARACTERISTICS
PROBLEND BC 70 (INCI Denomination : Cetrimonium Chloride (and) Cetyl Alcohol (and) Stearyl Alcohol)	Concentrated base for hair conditioner and hair rinse. It contains 14% cationic active ingredient.
LIQUID PROBLEND BC (INCI Denomination: Cetrimonium Chloride (and) cetyl alcohol (and) stearyl alcohol)	Concentrated liquid based for hair conditioner and hair rinse. It contains 10% active ingredient with cationic character. It contains cetyl trimethyl ammonium chloride (CTAC) as active ingredient and fatty alcohols.
PROBLEND CE-30 (INCI Denomination: Sodium Laureth Sulphate (and) Cocamidopropyl Betaine (and) Cocamide DEA, Oleamide DEA (and) Sodium Chloride)	Blend of anionic and nonionic surfactants, ready for dilution. Is used in shampoo and liquid soap. Viscosity and good detergency Low dosage level
PROBLEND CE-500 (INCI Denomination: Sodium Laureth Sulphate (and) Cocamidopropyl Betaine (and) Lauroaidopropyl Betaine)	Anionic blend used in soaps liquids and intimates

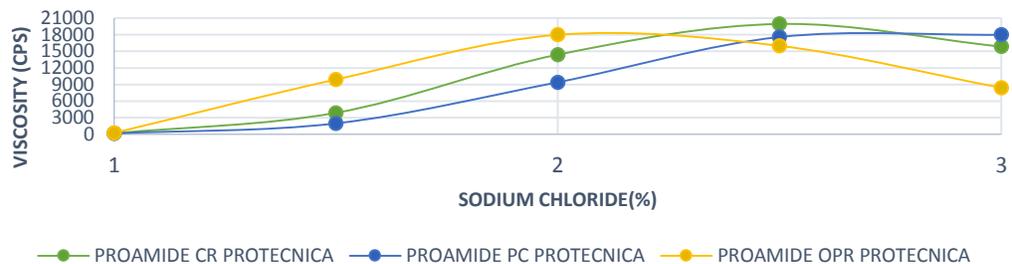
THICKENERS



PROAMIDES

They are alkanolamides that belong to the group of nonionic surfactants. They have very low toxicity and are used in the manufacture of cosmetics, toiletries and agro products. Mainly used as thickeners and foam holders in personal care products and toiletries.

PROAMIDES VISCOSITY CURVES



PROAMIDE CR (INCI: Cocamide DEA)

Traditional cocodiethanolamide. It provides viscosity, detergency and foam stabilization for personal care products.

PROAMIDE PC (INCI: Cocamide DEA)

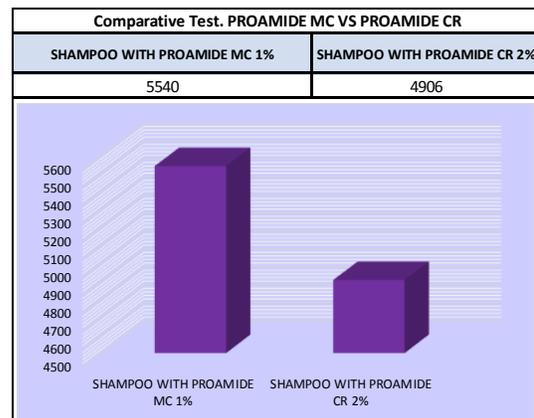
It acts as an emulsifier in industrial oil preparations, especially in degreasers to facilitate subsequent washing with water. Also in household products. It has properties as booster in shampoos and liquid soaps.

PROAMIDE OPR (INCI: Cocamide DEA and Oleamide DEA)

Mixture of oils with a higher content of unsaturated fatty acid than coconut. Use to replace the superamides. Presents a conditioner and antistatic effect as it contains oleic fatty chains. Mild detergent.

PROAMIDE MC (INCI: Cocamide MEA)

Monoethanolamine superamide coconut fatty acid. It presents opacifying effect in pearlescent blends. Suggested dosage is between 50% to 65 % below a cocamide DEA. Increases viscosity and consistency. Improves detergency and foaming properties as " booster " in detergents of all kinds, especially those based on alkyl sulfates.



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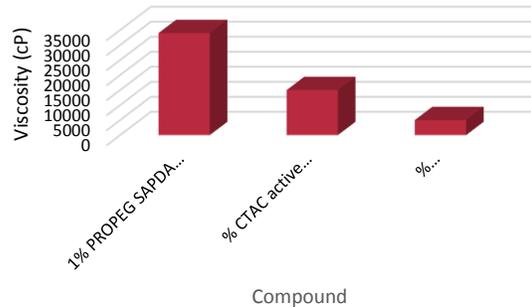
SPECIALTIES

PROPEG SAPDA (INCI: Stearamidopropyl Dimethylamine)

- Fatty amido amine that is neutralized with an organic acid to obtain an amine salt and provides conditioning characteristics, as becomes a cationic surfactant.
- Is an alternative to conventional conditioners such as CTAC.
- Excellent option to create a synergistic effect with CTAC and BTAC.
- 98% of its fatty chain are C₁₈ this provides soothing properties of high performance.

ADVANTAGES

- ✓ It is compatible with anionic surfactants, for this reason does not produce turbidity when used in shampoo
- ✓ It provides conditioning and viscosity in shampoo
- ✓ Does not decrease foam in shampoo



In a 2 in 1 shampoo. It improves viscosity compared with CTAC and Polyquaternium 7; It helps to reduce the use of viscosifiers. Generates a lustrous effect without decreasing the foam.

PROPEG EGMS 70 (INCI: Glycol Stearate)

Is a pearling and opacifying agent of nonionic nature used for the manufacture of personal care products.

ADVANTAGES

- ✓ Emulsifying agent in cosmetic preparations
- ✓ Pearling in products such as shampoo, creams, lotions and liquid soaps
- ✓ Biodegradable
- ✓ Also used in eye shadow and shaving foam
- ✓ It helps to increase the viscosity in synergy with the components of the formula in creams

PROPEG EGDS (INCI: Glycol Distearate)

Is a pearling and opacifying agent depending on the dose of non-ionic nature used in personal care products and pharmaceutical.

ADVANTAGES

- ✓ Compatible with raw materials cationics, anionics, amphoteric and non-ionic
- ✓ Emulsion stabilizer
- ✓ It helps increase viscosity in creams
- ✓ Biodegradable
- ✓ Used in shampoo, liquid soaps, conditioners, creams and body lotions

PROPEG 6000 DS (INCI: PEG-150 Distearate)

A nonionic emulsifier that belongs to the family of fatty esters of polyethylene glycol is used to provide viscosity and stability in aqueous solutions for cosmetic and industrial applications.

ADVANTAGES

- ✓ It provides the option to eliminate or reduce the use of electrolytes or other thickening agents in formulations where used.
- ✓ This product exhibits low irritability to the skin and eyes
- ✓ It has a great thickening power.
- ✓ Increases viscosity linearly.
- ✓ It helps keep longer stable foam in shampoo
- ✓ Very good viscosity is obtained at low doses



With NaCl With Propeg 600 DS

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Product Line Card Summary

Personal Care:

Surfactants, Emulsifiers, Thickeners, Pearlizing agents, Concentrated Blends for Shampoo and Hair conditioning, Preservatives, Fragrances.



HI&I:

Surfactants, Emulsifiers, Concentrated Blends for fabric Softeners, Chelating agents, Disinfectants and Biocides, Preservatives, Fragrances.

Food:

Emulsifiers, Release agents, Antifoams, Flour improvers, Preservatives, Process disinfectants.



Sugar and fermentation:

Surfactants, Antiscale agents, Phosphating agents, Decoloring agents, Antifoams, Biocides, Fermentation antibiotics.



Group of companies **led by** its largest investor **Protecnica**, facilitating the execution of a **common strategy** for research and development, market intelligence, logistics, and value proposition based on **long-term strong relationships** with **customers, suppliers, and employees**.

Our value proposition for our customers is based on strong **technical assistance**, state of the art applications laboratories, the ability to develop **tailor made products**, excellent **customer service**, and on time **deliveries**.



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