Jarchem Industries, Inc.
414 Wilson Avenue
Newark, NJ 07105

T: 973-344-0600
E: info@jarchem.com
W: www.jarchem.com
Who we are:

Jarchem is one of the largest suppliers of innovative cosmetic ingredients in the world. Since 1978, Jarchem has been supplying quality ingredients that are used in the production of cosmetic and personal care products. We have built a long-standing reputation as a dependable supplier of traditional emollients, natural products, polymer products and much more.

Our Newark, NJ, USA location serves as the hub of our worldwide distribution network. Our NJ plant complies with applicable government regulations and includes a modern quality control laboratory. We can accommodate rapid changes in production to meet your needs. Products are supplied in a variety of package sizes including pails, boxes, drums, semi-bulk containers and ISO-containers.

Stay Connected:

We continue to develop new offerings for our cosmetic customers. These new offerings are first detailed in our Technology Update emailings. Simply visit us at our website www.jarchem.com and sign up for these valuable announcements.

We also offer more detailed explanations of all our products (including product specifications and SDS information) through our members only, JarLink™. Visit our site and click on the JarLink™ membership button to join.
Jarchem sources raw materials from all over the world. As a leader in the trend towards natural ingredients, Jarchem formulates a variety of products with safer and milder natural ingredients. We stay ahead of the curve by offering natural and functional ingredients with our Shea Derivatives, Mild Surfactants, Actives, Natural Clays, Renewably Sourced Paraffins, and more.
Shea butter is an excellent emollient for personal care applications. Its unique combination of triglycerides and minor lipid components makes it an ideal choice for functional cosmetic products. Shea butter’s rich content of bio-active triterpene esters, such as lupeol and amyrin cinnamates, provides beneficial effects including anti-irritation, anti-inflammatory, and enhanced UV-B protection.
Jarplex™ SB10 - Shea Butter Oil
Butyrospermum Parkii (Shea) Oil

A unique liquid shea oil with superior freeze point properties versus other shea butters, remaining mostly liquid in cold temperatures. Ideal for spray formulations and for delivering excellent moisturization to sunscreen spray-ons. Can be used from 1–100%.

Jarplex™ SB12 - Shea Butter Extract
Butyrospermum Parkii (Shea) Butter Extract

Shea extract is composed of fully refined vegetable oil extracted from the fruit of the Shea tree. Offers a very light, dry skin feel, and has anti-inflammatory applications because of its natural phytosterol content. It contains a high amount of unsaponifiable matter, which provides skin protection against weather, sun, and aging as well as ameliorates superficial irritations such as dry/chapped skin, dermatitis and dermatoses, eczema, and sunburn.

Jarplex™ SB15 - Shea Butter Liquid
Butyrospermum Parkii (Shea) Butter

Easy to formulate liquid Shea Butter with a light feel and melt point of 15°C. Ideal for creams and lotions or as a viscosity adjuster for body butters. Excellent moisturizer for massage oils. Can be used from 1–100%.

Jarplex™ SB35 - Shea Butter
Butyrospermum Parkii (Shea) Butter

Creamy refined shea butter with superior crystallization properties to avoid blooming and graininess. Superior performance in high (>20%) shea butter formulations, ensuring more reliable visual and skin feel aesthetics over a wide range of conditions. Also excellent for structure sensitive stick and pencil formulations. Contains all the natural benefits of shea butter. MP: 35°C

Jarplex™ SB45 - Shea Butter
Butyrospermum Parkii (Shea) Butter

A high melt point, soft feel butter delivering unique and valuable physical properties. Designed to provide exceptional skin feel in super-high shea (>75%) formulations. Provides great flexibility in maximizing shea loading and functional skin benefits, while providing a softer feel. MP: 45°C

Jarplex™ SB60DP - Shea Butter Powder
Distarch Phosphate (and) Butyrospermum Parkii (Shea) Butter

Binding powder that is ideal for oil absorption and makeup applications, fat sensitive formulations and dry blends. Great for improving skin feel in powdered and dry blend applications. Provides great flexibility in maximizing shea loading and functional skin benefits.
Jarplex™ IPS
Isopropyl Shea Butterate
Naturally derived ester that can be used to replace Isopropyl Palmitate (IPP) and/or Isopropyl Myristate (IPM) while adding the skin conditioning benefits of shea butter. Leaves skin soft without a greasy or tacky after-feel or clogging the pores. Has the ability to reduce greasiness caused by high oil content of other ingredients in a formulation.

Jarplex™ SB-OE
Octyldodecyl Shea Butterate
A nature based, moisturizing ester with improved oxidative stability compared to shea butter alone. It is light, fast spreading and penetrating, with a less waxy feel without being tacky. Great for use in protective products, i.e. winter products, cold weather applications, as well as sun care products. In sunscreen applications, it adds shine, lubricity, gives a lighter and less greasy feel. It is an excellent dispersant for both organic and inorganic sunscreen actives

Jarplex™ MUR
Isopropyl Shea Butterate (and) Dodecane (and) Hexadecane
This product is a unique blend of natural alkanes and light weight shea esters. It functions as an all-natural make-up remover and light foundation base. Compatible with silicones, UV filters, other esters & oils, as well as waxes.

Jarplex™ SB-AA
Sodium Sheabutteramphoacetate
Composed of shea oil, this amphoteric surfactant allows for gentle cleaning for scalp and skin. It is milder than other surfactants and protects the skin’s hydrolipidic layer. This product can also assist with sebum control and decrease SLES irritation to the skin.

Jarplex™ SB-WS50
PEG-50 Shea Butter
It is an ethoxylated mono, diglyceride of shea butter taken from the nut of the Shea tree. It is a water soluble, non-ionic surfactant which, when used as an emulsifier, has an HLB of 16-18. It can be employed in skin care formulations including body washes, shampoos and conditioners, creams, lotions, and ointments.

Jarplex™ SPG
Coco Glucosides (and) Shea Butter Glycerides
A naturally derived, high performing conditioning additive for surfactant based cleaners. This product is 100% natural and provides excellent moisturization properties. It enhances surfactant cleaners by providing a creamy lather with added benefits of our Jarplex™ Water Dispersible Shea butter. Additional benefits include added pearlescence, opacity, and increased viscosity in sulfate-free cleaners.

Jarplex™ SB-EE
Shea Butter Ethyl Esters
Jarplex™ SB-EE is a natural shea butter ethyl ester derived from raw materials of vegetable origin. This product is an alternative to dimethicone, has very low viscosity and is a great spreading agent. Jarplex™ SB-EE is lustrous & lightweight, providing excellent emolliency to skin and hair without feeling greasy. This product absorbs quickly and results in a luxurious satin-like feel. Jarplex™ SB-EE is compatible with other esters, oils, emollients and helps to bring more shine and moisture to formulations.

Jarplex™ SB-WD Water Dispersible Shea Shea Butter Glycerides
Composed of the glycerides of vegetable fat extracted from the fruit of the Shea tree. It contains a relatively high amount of unsaponifiable matter. Jarplex™ SB-WD is processed to have extremely low odor and light color. It is completely water dispersible in aqueous solutions as well as compatible with surfactant based systems. It is a “patent pending” versatile, all-natural, green ingredient without using any ethoxylation. Excellent for diverse use in cosmetic and dermatological applications. MP: 55°C

Jarplex™ SB-WD10
Shea Butter Glycerides (and) Aqua
A biodegradable and "green" natural butter, dispersed in water. It is a 10% dispersion of Shea Butter Glycerides without surfactants or ethoxylation and can be further diluted in water. It provides a soothing, rapidly absorbing non-greasy feeling to skin and natural conditioning on hair.

Ask about our Jarplex™ CU-WD (Cupuacu Butter Glycerides) and Jarplex™ MU-WD (Murumuru Butter Glycerides).
Jarchem chelating agents are powerful and nature based, made from biodegradable raw materials. Our chelating agents exhibit excellent metal binding properties, high water solubility and can be used over a wide pH range.

**Biopure™ GLDA**  
*Tetrasodium Glutamate Diacetate*  
Made from natural, biodegradable raw materials. Great metal ion binding & stable over large range of pH. Improves cleaning performance by facilitating the removal of metal ions from soils. Can replace EDTA 1:1

**Biopure™ IDS**  
*Tetrasodium Iminodisuccinate*  
Composed of 35% tetrasodium salt of imminodisuccinic acid. Compared with other complexing agents, this product has lower toxicity and ecotoxicity. It is a non-irritant to eyes and skin at 1% neutral solutions and is stable across wide range of pH values. Has excellent metal ion binding and biodegradability. Great replacement for EDTA (1.25 : 1), NTA, HEDP, and DTPA

**Did you know?**  
- Biopure™ GLDA can replace EDTA 1:1  
- Biopure™ IDS can replace EDTA 1.25:1
Jarchem’s Aminosyl™ line of surfactants and moisturizing ingredients are all natural and sulfate free. They offer gentle, highly effective cleansing and deep hydration while providing high, stable foam production.
Aminosyl™ L30  
**Sodium Lauroyl Sarcosinate**

A mild, anionic surfactant that offers a superior foaming capacity with a mild, smooth skin feel in a liquid form. It forms a long lasting rich, creamy, and stable foam. As a mild ingredient with low irritation, Aminosyl™ L30 is suitable for use in shampoos, bath lotions, facial cleansers, and toothpastes. Sodium Laurate, as little as 2.0%, can act as a defoamer and help reduce foam stability. It is biodegradable in liquid makeup applications. It does not effect the transparency of solutions or lead to chemical reaction. It is compatible with anionic, cationic, and amphoteric surfactants. In baby products, it provides synergy with other detergents.  
Recommended usage: 3 - 5%.  
**HLB = 29.8**

Aminosyl™ NL50  
**Sodium PCA**

Mimics our skin’s Natural moisturizing factor and provides stronger hydrating power than glycerin, sorbitol, or propanediol. It is a highly effective water absorbent, able to hold several times its weight in water. It is also highly effective in the reduction of static electricity in hair care products. Recommended usage: Creams and lotions: 2 - 8%, shampoo: 1 - 3%.

Aminosyl™ SLG  
**Sodium Lauroyl Glutamate**

It is a mild anionic surfactant derived from the natural amino acid source of L-Glutamic Acid. Aminosyl™ SLG can be used in a number of cleansing products and comes in a high purity soft powder form that won’t dry the skin after a washing.

Aminosyl™ SLMT  
**Sodium Methyl Lauroyl Taurate**

A mild, anionic surfactant in the amino sulfonic acid category. Aminosyl™ SLMT and SCMT can be used to reduce percentage of SLS K12 Powder in skin and oral applications. It is used in shampoo, facial cleansers and other cleansing products. Comes in powder form.

Aminosyl™ SMCT  
**Sodium Methyl Cocoyl Taurate**

Aminosyl™ SMCT is an excellent foaming and wetting mild anionic surfactant. Aminosyl™ SLMT and SCMT can be used to reduce percentage of SLS K12 It also comes in powder form.

Aminosyl™ SCI  
**Sodium Cocoyl Isethionate**

Aminosyl™ SCI is a mild anionic surfactant made from coconut oil fatty acids. It has great moisturizing properties with excellent foaming power and detergency properties. This product is used in syndet bars, liquid soap, cleansers and shampoos. Compatible with other anionic, non-ionic and amphoteric surfactants. Leaves a soft, silky after feel.
Jarchem's Sucranov™ line of surfactants are all natural alkyl polyglucosides (APGs) and APG blends. They are very mild and provide effective cleansing with good foam.
**Sucranov™ 810 UP**  
*Caprylyl/Capryl Glucoside*
Sucranov™ 810 UP is a mild surfactant that is great for use as an ingredient solubilizer.  
**HLB = 13.4**

**Sucranov™ 818 UP**  
*Coco Glucoside*
A mild, non-ionic surfactant, perfect for cleansing skin and hair. It produces a very satisfactory level of foam, comparable to conventional anionic surfactants. The foam is fine and stable. It is a natural, sugar derived surfactant.  
**HLB = 13.1**

**Sucranov™ 1200 UP**  
*Lauryl Glucoside*
A mild, non-ionic surfactant offering natural and gentle cleansing for shampoos, body washes, and liquid soaps. It is ideal for a wide variety of personal care applications. Sucranov™ 1200 UP can be combined with all type of surfactants, without reducing foam volume or stability. When used as a co-surfactant, it can reduce the active ingredients, without altering their performance and will help increase viscosity. It is a natural, sugar derived surfactant. **HLB = 11.6**

**Sucranov™ 2000 UP**  
*Decyl Glucoside*
Well suited for a range of cosmetic and dermatological applications as a mild surfactant that offers natural, gentle cleansing. It generates an exceptional amount of foam for a non-ionic surfactant, comparable with conventional anionic surfactants. The foam formed is very stable, which is advantageous for bubble bath and shower gel formulations. It is a natural, sugar derived surfactant. **HLB = 12.8**

**Sucranov™ HG-NAT**  
*Hexyl Glucoside*
Sucranov™ HG-NAT is a high performance 6 carbon chain alkyl polyglucoside surfactant made from vegetable alcohol, renewable raw materials and sugar. Sucranov™ HG-NAT is low foaming, has a low viscosity, is a great wetting agent and acts as a strong hydrotope with solubilizing capabilities.

**Sucranov™ SF**  
*Sodium Cocoamphoacetate (and) Glycerin (and) Lauryl Glucoside (and) Sodium Cocoyl Glutamate (and) Sodium Lauroyl Lactylate*
A high performing, ready-to-use blend of mild surfactants. This product has superior foaming height and longer lasting foam. It also provides excellent lather, high foam density and skin conditioning properties. Sucranov™ SF is nature based, sulfate-free and environmentally friendly.

**Sucranov™ 611L**  
*Sodium Laureth Sulfate (and) Lauryl Glucoside (and) Cocamidopropyl Betaine*
Sucranov™ 611L is a very mild all-in-one cleansing system. This product will help build viscosity and provide excellent foam without the need to add other surfactants. Great for use in shampoos, body washes, skin cleansers and hand soap. Gives a luxurious foam at 20 – 25% in high quality Shampoos.

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**Did you know?**
- Sucranov™ SF is typically used with Jarplex™ SPG to add superior conditioning properties
The Purest of Clays

Clays have the natural ability to purify and absorb toxins and excess oils from the skin. Jarchem clays are taken from natural quarries that are low in pollution to maintain the highest quality of purity. The innate absorption properties are kept at a maximum so that when used, Jarxotic™ Clays are at full potential for toxin elimination. High purity also results in smoother textures and gentler application on the skin.

Our wide range of clays have no artificial coloring and are rich in various minerals & trace elements. They are non-irradiated, and all processing is mechanical to maintain the most natural and pure elements of the clay.

A color for all your needs...
Jarxotic™ GC-NS: Green Clay

Illite (and) Montmorillonite (and) Kaolin

Green clay is an all-natural clay extracted from the rich volcanic earth of the Auvergne region in France. The deposits in this region provide a unique ratio of illite, montmorillonite, and kaolin clays not found anywhere else. This natural mix results in its excellent absorption, intermediate adsorption capacity, and high coverage volume. Green Clay has been used for years in agricultural, animal care, cosmetic and folk medicine applications. Very small particle and large particle sizes available. **Jarxotic™ GC-NS: Bead (750µm) and Ultra (20µm) versions available**

Jarxotic™ RC-NS: Red Clay

Illite

Red Clay brings out your face’s natural glow and leaves it exceptionally radiant. It contains high level of essential minerals, making it a powerful regenerative and replenishing product. This clay cleanses, detoxifies, and exfoliates the skin, resulting in refreshed, toned and rejuvenated skin.

Jarxotic™ YC-NS: Yellow Clay

Illite

This clay is known for stimulating and revitalizing skin cells by exfoliating, cleaning, and invigorating. The high mineral content of this clay rejuvenates, while the clay exfoliates and stimulates blood circulation to the skin.

Jarxotic™ BC-NS: Blue Clay

Montmorillonite

Blue Clay has stimulating and oxygenating properties. This clay has been naturally enriched with trace elements, which allow it to enhance the skin’s natural glow. These elements allow the clay to have excellent absorption properties that remove dead skin cells, improve circulation to the skin and remove debris from pores.

Jarxotic™ PC-NS: Pink Clay

Montmorillonite

Pink Clay suits every skin type. It is a highly effective skin purifying agent. It cleanses and detoxifies the skin and removes the dead skin cells to create a refreshed look. It can help regenerate connective tissues, giving the skin a rejuvenated appearance. It is especially good for sensitive skins and it is a combination of red and white clays that can be used to treat acne and other skin ailments.

Jarxotic™ SC-NS: Sun Clay

Illite

Sun Clay is a nice yellow clay that detoxifies and moisturizes the skin. It supports the skin’s natural defense mechanisms and absorbs excessive oils. It also promotes tissue repair and tightens skin pores.

Jarxotic™ NC-NS: Nude Clay

Illite

Nude Clay is a white-pinkish clay that gives you soft and toned skin. It detoxifies the skin and removes dead skin cells to create a rejuvenated appearance. It gives skin a radiant and hydrated look. This clay brings out your face’s natural glow and is good for sensitive skins.

Jarxotic™ WC-NS

Kaolin

This White Clay is a natural kaolin clay harvested from the banks of the Amazon River. This product provides a very interesting, natural cooling sensory signal in some applications and is excellent for providing protection against environmental free-radicals.

Jarxotic™ WC-K: Kaolinite

Kaolin

Kaolin Clay has natural absorbency properties. It is used to remove dead skin cells, and aids in the regenerating of the skin. It is a purifying and detoxifying agent, and it also supports toxin elimination. Its natural absorbent properties help eliminate excess oil from the skin. This clay is good for every type of skins.

Jarxotic™ WC-M: White Montmorillonite Clay

Montmorillonite

This clay is a white-pinkish montmorillonite. It has very good adsorbent properties and helps the body expel toxins. It is also used to soothe skin irritations such as insect bites, cuts, burn, and blemishes. This clay has been naturally enriched with trace elements, which allow it to enhance the skin’s natural glow, and is good for dry to normal skin types.

Jarxotic™ BLACK DIAMOND CLAY

Illite (and) Quartz (and) Kaolin

This clay is a natural black clay that has excellent toxin absorption properties. It is good for removing excess oil and grim and exfoliates the skin to bring back natural radiance. This clay tightens, tones, and rejuvenates all skin types for a radiant, glowing finish.
Jarxotic™
Rainforest Oils & Butters

Ingredients sourced from exotic locations around the world...

We have traveled the world to bring our valued customers these special exotic cosmetic ingredients, keeping the values of social responsibility, sustainability and fair trade at the forefront throughout the procurement process.
Jarxotic™ AC15 - Açai Oil
Euterpe Oleracea Fruit Oil
Rich in essential fatty acids, (Omegas 3, 6 & 9). Also high in phytosterols, Vitamin C, and polyphenols (anthocyanins). Excellent for anti-aging products with antioxidant and revitalizing properties.

Jarxotic™ AN20 - Andiroba Oil
Carapa Guaianensis Seed Oil
Thick, rich oil with deep creamy color that promotes anti-inflammatory and renewing activity. It can be used in cosmetic formulations for the treatment of cellulite and skin repair while also demonstrating a natural insect repellent activity—an effective alternative to citronella. Very rich in uncommon fatty acid, Ximenynic Acid.

Jarxotic™ BN20 - Brazil Nut Oil
Bertholletia Excelsa (Brazil) Nut Oil
Bright, golden oil rich in oleic acids and vitamins. Forms a protective layer on the skin blocking evaporation and promoting long-lasting moisturization. An extremely light oil with "ester-like" feeling, rich in selenium.

Jarxotic™ BU15 - Buriti Oil
Mauritia Flexuosa (Buriti) Fruit Oil
A rich, reddish oil with a high content of provitamin A from carotenoids, promoting anti-aging action. Excellent for self-tanning products and offers a high natural SPF.

Jarxotic™ CO15 - Copaiba Oil
Copaifera Officinalis (Copaiba) Oil
A rich oil with deep natural color and a pleasant balsam smell. A high content of β-caryophylene delivers a natural antimicrobial activity. It is an excellent ingredient for shaving gels, foot creams, and cleansing products.

Jarxotic™ PF15 - Passion Fruit Oil
Passiflora Incarnata Seed Oil
Also known as Maracuja oil, this pleasantly colored natural oil reflects the golden green of the Passion Fruit. Contains high level of linoleic acid, providing deep nourishment and moisturization for the skin.

Jarxotic™ AB35 - Açai Butter
Proprietary
A proprietary butter rich in omega fatty acids, polyphenols, and anthocyanins.

Jarxotic™ CU35 - Cupuaçu Butter
Theobroma Grandiflorum Seed Butter
Exotic emollient butter, highly beneficial for dry and damaged skin and hair, promoting deep, long-lasting hydration. Its high water absorption capacity makes Cupuaçu an effective alternative to lanolin.

Jarxotic™ MB35 - Mango Butter
Mangifera Indica (Mango) Seed Butter
Appropriate for use in lotions, creams, and balms, it offers moisturizing and emollient properties that combat cutaneous dryness due to sun, wind, or water exposure. It is made from vegetable fat that has been extracted from the fruit kernels of the Mango tree. It melts immediately and disperses evenly upon contact with the skin.

Jarxotic™ MU35 - Murumuru Butter
Astrocaryum Murumuru (Seed) Butter
Rich butter with light amber color and natural earthen aroma. Its rich oleic acid content promotes nutrition and moisture to skin and hair. An excellent choice for shampoos, conditioners, and highly moisturizing skin care products.

Jarxotic™ TU30 – Tucumã Butter
Astrocaryum Tucumã Seed Butter
An emollient butter with high levels of Vitamin A as well as lauric, myristic, and oleic acids.

Jaroil™ SO - Sunflower Seed Oil
Helianthus Annuus (Sunflower) Seed Oil
Easy spreading emollient derived from sunflower seeds that has excellent stability. It can provide better stability than other oils in a formulation. This product is rich in vitamin E and has antioxidant properties. It improves skin health and protects skin from sun damages.
Jarchem’s Actique™ product line offers China INCI Approved Actives based on traditional Chinese medicine (TCM) and Biofermentation with varying benefits and are great in all types of aqueous and/or anhydrous applications.

Function Range Includes:

- Skin lightening
- Anti-pigmentation/evening of skin tone
- Anti-inflammation
- Improvement of skin barrier function
- Hydration

For more information on our actives ask to see our complete Actique™ Brochure!
Skin Lightening/Brightening

**Actique™ LIC 90**
**Glycyrrhiza Glabra (Licorice) Root Extract**

Naturally derived, off-white powder extracted from the root of the *Glycyrrhiza Glabra Linne*. With its extremely low color value, **Actique™ LIC 90** can be used to replace Glabridin products with high Gardner values. Our unique advanced extraction process successfully yields a high content of pure Glabridin (>90% HPLC). This highly pure extract provides triple benefit effects, including skin lightening (stronger tyrosinase inhibition than Arbutin, Kojic Acid, Vitamin C, and Hydroquinone), reduction of inflammation from UV-B radiation and anti-oxidation activity. *In-vivo* chromameter readings demonstrated increases in skin lightening and facial redness reduction. Full studies available upon request.

**Actique™ LIC**
**Glycyrrhiza Glabra (Licorice) Root Extract**

**Actique™ LIC** is a naturally derived yellow-brown powder extracted from the root of the *Glycyrrhiza Glabra Linne*. It contains 40% minimum of pure Glabridin.

**Actique™ Aqua LIC**
**Glycyrrhiza Glabra (Licorice) Root Extract (and) Hydroxypropyl Cyclodextrin (and) Pentylene Glycol (and) Aqua**

A 2.0% white to pale yellow Glabridin solution which is soluble in water for your formulating needs.

**Actique™ MAP**
**Magnesium Ascorbyl Phosphate**

A high purity, water soluble skin-lightening active with high anti-oxidant activity.

**Anti-Hyperpigmentation/Evening of Skin Tone**

**Actique™ Pearl**
**Hydrolyzed Conchiolin Protein**

A unique dark spot correcting oligopeptide naturally derived from conchiolin (“pearl”) protein. **Actique™ Pearl** is a water soluble active that functions as a highly effective endothelin antagonist. *In-vivo* testing showed a reduced appearance of hyperpigmentation and significant skin lightening. Full studies available upon request.

**Multi-Function Skin Lightening**

**Actique™ Light**
**Glycyrrhiza Glabra (Licorice) Root Extract (and) Hydrolyzed Conchiolin Protein (and) Hydroxypropyl Cyclodextrin (and) Pentylene Glycol**

A highly efficacious dark spot removal and skin lightening system containing a mixture of Pearl Oligopeptides (3%) and Glabridin (2%). *In-vivo* chromameter readings proved this product to be an effective skin lightening agent.
Anti-Inflammation

Actique™ Shikon
Caprylic/Capric Triglyceride (and) Lithospermum Erythrorhizon Root Extract

A potent anti-inflammatory derived from the Chinese medicinal herb, *Arnebia Euchroma* (Royle) Johnst. Has the ability to decrease inflammation, control oil and acne, and soothe the skin. This product also has the rare ability to add a natural pink or red color (photo and heat stable) to all types of formulations. Notice: will darken if it comes in contact with ferrous (iron) like metals, therefore, contact with these should be avoided.

Improvement of Skin Barrier Function/Hydration

Actique™ Ceramide
Ceramide NG

Actique™ Ceramide mimics the ceramide-2 present in skin to preserve epidermal water content, strengthen the cohesion force of epidermal cells and repair and restore the skin barrier function.

Actique™ Aqua Ceramide
Ceramide NG (and) Steareth-30 (and) Cholesterol (and) Stearic Acid (and) Aqua

Actique™ Aqua Ceramide is based on the structure and benefits of ceramide-2, present in our skin. This product helps to repair the skin barrier function, improve skin hydration and reduce TEWL. It is also effective for improving hair hydrophobicity and smoothness. It can be added to cold-process formulations, which perfectly solves the troubles caused by the high melting point of traditional ceramides, making formulating easy!

Actique™ NAG
Acetyl Glucosamine

Actique™ NAG is a revolutionary ingredient that can promote the synthesis of Hyaluronic Acid (HA) and Glicosaminoglycans (GAGs) to protect the skin internally and externally. This product serves as a next generation moisturizer that complements topical HA to effectively moisturize the epidermis and dermis, strengthen the DEJ and tighten the skin. Acetyl Glucosamine can be used as a natural exfoliant and a replacement for AHAs in sensitive skin formulations. Can also be used as a skin lightening enhancer (tyrosinase inhibitor) when formulated with Niacinamide.

Suggested use level of 0.5 – 3.0%.

Actique™ PGA
Sodium Polyglutamate

Actique™ PGA is a fermentation derived active that has exceptional skin benefits. This easy-to-use powder provides effective long lasting hydration and increases skin elasticity. Actique™ PGA retains moisture in the skin by preventing skin transepidermal water loss and increasing the production of the skin’s Natural Moisturizing Factor (NMF). Actique™ PGA is bio-degradable, non-toxic and makes skin more hydrated and youthful. Actique™ PGA can also help maintain bleached hair strength and hydration by forming a protective layer on the hair strand.
Hydration:

**Actique™ Sodium Hyaluronates**

Jarchem’s Actique™ Hyal Sodium Hyaluronates originate from all-natural fermentation processes, using non-animal and non-GMO sources. Sodium Hyaluronate (aka Hyaluronic Acid, Hyaluronan, or HA), in general, is known to be able to stabilize up to 1,000 times its own weight in water. Not only does Sodium Hyaluronate retain water, but it also keeps collagen from cracking and drying out. As a result, it is recognized as a Natural Moisturizing Factor (NMF) and anti-aging ingredient.

**Actique™ Hyal Max**
A high viscosity yielding and high water-binding Sodium Hyaluronate with a MW from 1.8—2.5 Million Da.

**Actique™ Hyal 1M**
A medium viscosity yielding and medium water-binding Sodium Hyaluronate with a MW from 850,000—1.6 Million Da.

**Actique™ Hyal Mini**
An oligosaccharide of Hyaluronic Acid with excellent skin absorption, hydration, and anti-wrinkle effects. What differentiates this product from common Sodium Hyaluronate is the low molecular weight below 10,000 Daltons. In addition, the size of ~20 nm is below the average molecular spacing on the skin of 40-50 nm. Therefore, once Actique™ Hyal Mini is applied to the skin, it penetrates into the stratum corneum. The small molecular features keep water inside that cannot wash off easily, and sustains the hydration effect for 3 days or longer after application. It can also be used in conjunction with common Sodium Hyaluronate to provide “double hydration” from the outside in.

**Actique™ Hyal 1%**
*(INCI: Sodium Hyaluronate (and) Water)* A premade 1% solution of Sodium Hyaluronate and water. Preserved with Phenoxyethanol and Ethylhexylglycerin.

For more information on our actives ask to see our Actique™ brochure!
Jarcane™ High Purity Alkanes

Jarcane™ high purity alkanes are single cut, linear, plant derived paraffins made from renewable resources. The product range is from 12 - 22 total carbons. Jarcane™ products are colorless, odorless liquids or solids at 20°C. They are 100% based on plant material for environmentally friendly or natural formulation concepts. Jarcanes™ are an excellent choice when looking for a phase change material for latent heat storage applications or as an alternative choice when looking for non-polar solvents, oils, or wax additives. Great for color cosmetics, removing makeup and stains, and replacing silicones & petro chemicals in formulations.

**Jarcane™ 12**
*Dodecane*

Very low viscosity and light in nature with excellent spreadability. Can be used as an alternative to Cyclopentasiloxane (D5) without bioaccumulating in aquatic organisms. Can also be used as a natural alternative to isododecane without stripping the skin of all fats and drying it out.
MP -12°C to -9°C Flash Point: 71°C

**Jarcane™ 14**
*Tetradecane*

Light and easy spreading nature. Can be used as an alternative for petrochemical-based isoalkanes.
MP 3°C to -6°C Flash Point: 115°C

**Jarcane™ 16**
*Hexadecane*

Great for use in dermatology applications or creams and can serve as a non-petro Mineral Oil replacement. It provides shine, lubricity, and emolliency, with a light, oily feel. It is oxidatively stable and derived from all natural, renewable (non-petroleum) resources. Can also be used as an alternative to isohexadecane.
MP 15°C to 18°C Flash Point: 135°C

**Jarcane™ 18**
*Octadecane*

The heat of fusion has a cooling effect on the skin
MP 26°C to 29°C

**Jarcane™ 20**
*Eicosane*

Solid emollient with hydrophobic properties, and can also be used as a viscosity and texture improver.
MP 34°C to 37°C

**Jarcane™ 22**
*Docosane*

When used in combination with Jarcane™ 12, these products can serve as secondary conditioning agents in silicone-free haircare formulations. It is also an alternative choice when looking for non-polar wax additives based on renewable resources for environmentally-friendly or natural formulation concepts. Characterized as hard wax with a low melting point compared to Carnauba Wax.
MP 40°C to 43°C

**Did you know?**
- Jarchem Jarcane™ 12 is safe to use as alternative to Cyclopentasiloxane (D5)
- Jarcanes™ can replace high molecular weight dimethicones
Cosmetic Grade Lanolin has traditionally been extracted from the wool of sheep, refined and then purified for use. Jarchem is offering new and innovative vegetable alternatives to animal derived Lanolin. Our Vegecare™ Lanolin Alternatives are offered in oil, semi-solid, and wax forms. These products function as excellent emollients, stabilizers, viscosity builders, and serve as perfect alternatives.

**Vegecare™ L**
*Butyrospermum Parkii (Shea) Butter (and) glyceryl Rosinate (and) olea europaea (olive) oil unsaponifiables*

Vegecare™ L is a natural moisturizer and can protect the cutaneous barrier by retaining water within the epidermis. Its strong water absorption properties allow it to retain water 4 times its weight (2x compared to Lanolin). Once fully absorbed, Vegecare™ L can provide great waterproofing activity.

**Vegecare™ LO**
*Ricinus communis (castor) seed oil (and) glyceryl rosinate (and) glyceryl oleate (and) olea europaea (olive) oil unsaponifiables*

Vegecare™ LO provides excellent emolliency to formulations and adds water resistant properties as well as high gloss properties. This product stabilizes emulsions and helps keep the clarity and fluidity of formulations. Lastly, Vegecare™ LO can be used to replace high viscosity mineral oil in formulations.

**Vegecare™ LW**
*Glyceryl rosinate (and) ricinus communis (castor) seed oil (and) hydrogenated vegetable oil*

Vegecare™ LW is an excellent emollient that has the ability to stabilize emulsions and build viscosity in formulations. In addition, Vegecare™ LW has great conditioning properties for the hair.
Jarcol™ Alcohol & Jaric™ Acid Products

A unique portfolio of specialty alcohols, including branched and unsaturated, and acids, providing a wide range of melt points and reactivity to help solve formulating challenges.
**Jarcol™ I-12**  
*Butyloctanol*

Excellent solubilizer for silicone waxes maintaining liquidity and flowability.

**Jarcol™ I-16CG**  
*Hexyldecanol*

Low viscosity emollient. Allows for clear formulations. Good for use in color and fragrance sensitive applications.

**Jarcol™ I-18CG**  
*Isostearyl Alcohol*

Very good spreading and refatting properties. Ideal for use in skin treatment products and as a fragrance carrier.

**Jarcol™ I-20CG**  
*Octyldodecanol*

Adds moisturization with no greasy feel. Excellent for pigment dispersion, solubilization of small particle solids and actives.

**Jarcol™ I-20P**  
*Octyldodecanol*


**Jarcol™ I-28CG**  
*Dodecylhexadecanol*

A branched alcohol with a body temperature melt point to provide moisturization with no greasy feel to solid products, such as lip balms and deodorants.

**Jarcol™ H2280**  
*Behenyl Alcohol*

High melting solid for use in stick products. Viscosity modifier in creams.

**Jarcol™ 95CG**  
*Oleyl Alcohol*

Colorless and odorless with excellent thermostability. Used as a wetting agent, emulsifier, solubilizer, defoamer, and conditioning agent.

**Jaric™ I-16**  
*Hexyldecanoic Acid*

In shaving soaps and formulations, provides special feel and allows formulation of a clear product.
PVPs are physiologically inert molecules that can act as dye-receptive resins, film formers, adhesives, complexing agents, binders and stabilizers, and protective colloid and suspending agents. Jarpol™ PVPs increase the wetting and lubricating effect in vanishing creams, sun proof creams, and depilation agents and provide excellent dispersity. They are soluble in most organic solvents and are compatible with many modifiers and plasticizers.
**Jarpol™ PVP K30, Powder**  
**PVP**  
As a water soluble non-ionic homopolymer of Vinylpyrrolidone, it can be characterized as a film former, but can also act as a thickener. It is suitable for water based formulations, such as hair gel, and provides a high degree of clarity. It provides a hard, glossy, and transparent film. It’s lower molecular weight is the best choice where viscosity is critical in applications, such as in pump sprays.

**Jarpol™ PVP K30 Solution, 30%**  
Great for use in in products where viscosity is critical, but a strong hold is desired. The **K30 Solution** provides a firm, clear film while maintaining softness. A 30% Solution of Jarpol PVP K30 Powder in water.

**Jarpol™ PVP K90, Powder**  
**PVP**  
It can be used in a wide range of applications, including hair care, skin care, and oral care products. It offers exceptional performance where viscosity modification and clear film forming properties are required. It’s higher molecular weight gives greater setting power and stronger adhesion, which is perfect when high viscosity and strong hold are required in applications. It can be used in hair gels and mousses, liquid hair setting preparations, pumps, and sprays.

**Jarpol™ K90 Solution, 20%**  
With a higher molecular weight, it offers an even stronger hold than the K30 and also provides a tacky feel when used in hair care applications. A 20% Solution of Jarpol PVP K90 Powder in water.

**Jarpol™ PVP/VA Products**  
**VP/VA Copolymer**  
These products form a transparent, hard, glossy, water-removable film. The viscosity and water sensitivity properties vary depending on the PVP/ VA ratio. They are soluble in most organic solvents and offer flexibility that is very advantageous in hair spray, hair gel, film forming and hair fixing agents, and many other cosmetic applications. They are compatible with many modifiers and plasticizers that allow greater variations of hydroscopicity and film flexibility. As non-ionic polymers, they do not need to be neutralized. These products possess excellent properties for both aerosol and non-aerosol products. **Jarpol™ PVP/VA 64W** and **73W** are mainly used in sprays and hair-setting lotions. Both **PVP/VA** products come in 50% water solutions.

**Applications:**

**Jarpol™ PVP/VA 64W**  
- 50% Solution  
- Film forming Agent  
- Hair styling applications  
- Hair sprays, mousses, hair-setting lotions  
- Sculpting Gels

**Jarpol™ PVP/VA 73W**  
- 50% Solution  
- Film forming Agent  
- Hair styling applications  
- Gels, mousses, hair-setting lotions  
- Sculpting Gels  
- Particularly suitable for hair sprays
Jarace™ Acetate Products

Jarace™ Acetates are high quality products manufactured with our unique equipment to give high density, free flowing, low dusting dry products, as well as high purity liquid products.

**Jarace™ AA**
*Ammonium Acetate*
Buffering agent in hair dyes, colorants and permanents.

**Jarace™ CA**
*Calcium Acetate*
Acts as a buffering agent in hair and skin formulations. Also used as a thickening agent.

**Jarace™ PA**
*Potassium Acetate*
It acts as a buffering agent in hair and skin formulations.

**Jarace™ SA**
*Sodium Acetate*
It is supplied in the form of white crystals with no odor or a faint acetous odor. It is used as a buffering agent in hair and skin formulations.

**Jarace™ SG-CG**
*Sodium Glycolate*
It is a pH-stabilized substitute for glycolic acid which is composed of Sodium Glycolate (sodium hydroxyacetate). It is supplied as an off-white to light tan, hygroscopic powder. This product is manufactured especially to give high density, free flowing, low dusting dry products and high-purity liquid products.
Jarether™ Ethers are a series of saturated primary C6-C18 linear alcohol ethers. They are stable at high alkalinity pH values, biodegradable "bio-friendly" solvents and have a pearlescent appearance.

**Jarether™ D6**  
*Dihexyl Ether*  
Very similar to Jarether D8 but much lighter.  
Melting Point = < -20°C.

**Jarether™ D8**  
*Dicaprylyl Ether*  
Very light and fast spreading emollient, useful as a solvent for active ingredients as it reduces tackiness and improves skin feel. Suitable for formulations with a wide pH range and can be used as an alternative to silicones. Also compatible with silicones. Melt point adjuster for increasing softness. Melting Point = -7°C.

**Jarether™ D10**  
*Didecyl Ether*  
Melting range 14-16°C

**Jarether™ D12**  
*Dilauryl Ether*  
It has a low polarity and provides unique texture and skin feel, which can be described as light, somewhat powdery and elegant. Melt point influencer for maintaining hardness at body temperature.  
Melting range 30-34°C

**Jarether™ D14**  
*Dimyristyl Ether*  
Melting range 42-46°C

**Jarether™ D16**  
*Dicyl Ether*  
Melting range 52-56°C

**Jarether™ D18**  
*DISTearyl Ether*  
Light spreading waxy emollient that can be used as a texture improver, opacifier and pearlescent agent additive with a sharp melting profile. This product can adjust for increasing hardness.  
Melting range 60-64°C