INFINITY GREDIENTS

Inspiring Cosmetics

Antimicrobial Actives

INFINITY GREDIENTS

Antimicrobial Actives

Range of high performing actives with specific data against microorganisms to help alleviate skin conditions.

AlphaShield

(INCI: Bisabolol, Melaleuca alternifolia leaf oil)

AlphaShield is a safe, biodegradable and natural alternative to Triclosan. Non-comedogenic, it reduces microorganisms associated with skin inflammation, preserving beneficial microbiota.

With a direct action on the inflammatory cascade of acne, AlphaShield is a new approach to skin protection and health. This natural active ingredient provides multi-target action against microorganisms that harm skin health.

Modulates skin microbiome activity in acne-prone skin with proven efficacy. Reduces blackheads, acne lesions, redness and controls oiliness.

Recommended usage level: 0.5-1.5%

BIOACTIVE TOTAROL™ Powder

(INCI: Totarol Powder)

A world first organic super ingredient sustainably sourced from the fallen New Zealand Totara Tree.

Bioactive Totarol™ is a highly potent antioxidant (7 times more potent than vitamin E) and antibacterial (including acne causing bacteria), transforming human health by harnessing 100 million years of nature.

In the 1990's international and New Zealand scientists conducted research on the To-tara tree. They were intrigued by the fact that To-tara wood seemed to survive environmental attacks and degradation. The wood had proved to be virtually unblemished after hundreds of years of growth. After testing it, they discovered that Bioactive Totarol™ located in the heartwood of the tree was the magic ingredient at play.

Bioactive Totarol™ is able to penetrate harmful, pathogenic bacteria and destroy them. It also fights free radicals which are unstable molecules that can damage cells, contributing to many health concerns.

Its anti-inflammatory action has been clinically proven to reduce erythema and irritation, key markers of inflammatory skin conditions, making it an ideal candidate for soothing acne-prone and sensitive skin.

A highly effective, multi-tasking and versatile ingredient for cosmetic formulations and has successfully been used in formulations for the last 20 years. Supplied as a freeze-dried powder.

Recommended usage level: 0.2%

BIOACTIVE TOTAROL™ T9 Cosmetic

(INCI: Totarol Powder, Helianthus annuus seed oil, Polysorbate 60, Caprylhydroxamic Acid, Glyceryl Caprylate, Glycerin)

A world first organic super ingredient sustainably sourced from the fallen New Zealand Totara Tree.

Bioactive Totarol™ is a highly potent antioxidant (7 times more potent than vitamin E) and antibacterial (including acne causing bacteria), transforming human health by harnessing 100 million years of nature.

In the 1990's international and New Zealand scientists conducted research on the To-tara tree. They were intrigued by the fact that To-tara wood seemed to survive environmental attacks and degradation. The wood had proved to be virtually unblemished after hundreds of years of growth. After testing it, they discovered that Bioactive Totarol™ located in the heartwood of the tree was the magic ingredient at play.

Bioactive Totarol™ is able to penetrate harmful, pathogenic bacteria and destroy them. It also fights free radicals which are unstable molecules that can damage cells, contributing to many health concerns.

Its anti-inflammatory action has been clinically proven to reduce erythema and irritation, key markers of inflammatory skin conditions, making it an ideal candidate for soothing acne-prone and sensitive skin.

A highly effective, multi-tasking and versatile ingredient for cosmetic formulations and has successfully been used in formulations for the last 20 years. Supplied as a cosmetic grade liquid.

Recommended usage level: 0.8-1%

BIRCH OIL

(INCI: Helianthus Annuus (Sunflower) Seed Oil, Betula Alba Leaf Extract, Tocopherol)

BIRCH OIL is an anti-cellulite. Firming. Anti-inflammatory. Sensitive and/ or irritated skin. Anti-seborrhea. Hair care. Antimicrobial. Purifying. Antiseptic.

Recommended usage level: 0.5-5%

BLACK PEPPER EXTRACT H.GL. - M.S

(INCI: Aqua, Glycerin, Piper Nigrum (Pepper) Seed Extract, Sodium Benzoate, Potassium Sorbate)

BLACK PEPPER EXTRACT H.GL. - M.S. is a water-soluble extract offering antioxidant, anti-ageing, photoprotection, hair colour protection, antimicrobial, purifying, antiseptic, insect repellent, anti-cellulite and microcirculation properties.

Recommended usage level: 0.5 - 5%

CALENDULA OIL

(INCI: Helianthus Annuus (Sunflower) Seed Oil, Calendula Officinalis Flower Extract, Tocopherol)

CALENDULA OIL (Tocopherol) is ideal for sensitive and/ or irritated skin. It provides antimicrobial, purifying, and antiseptic properties.

Recommended usage level: 0.5 - 5%

Citrue Bisabolol

(INCI: Bisabolol)

Citrue Bisabolol (100% (-)-α-bisabolol) is a natural and organic product (free from Farnesol) obtained from the fractional distillation of the essential oil of a native Brazilian, Candeia (Eremanthus erythropappus).

The Candeia tree contributes to the restoration of degraded areas and in places of difficult implantation of agricultural crops. Even in low fertility soils, it offers a very rich oil in (-) Alpha bisabolol, isomer responsible for the effectiveness of anti-irritant and anti-inflammatory action. Compatible with all skin types, especially sensitive skin to calm, heal and regenerate whilst offering anti-microbial and anti-bacterial properties.

Citroleo employs sustainable management techniques of Candeia, evaluating its environmental, social and economic aspects, respecting the pertinent legislation and not compacting with practices of illegal extraction of wood and other forestry activities that hurt the concepts of ethics or natural resources.

Recommended usage level: 0.07 - 1.0%

Copaiba Balm

(INCI: Copaifera species resin oils)

The Copaiba resin-oil, also known as Copaiba balm, is a natural substance with resinous aspect, non-volatil, formed by diterpenic acids, and by an essential oil composed by sesquiterpenes.

The Copaiba balm offers emollient, anti-inflammatory and bactericidal properties. In cosmetics its main use is in perfumery as an excellent odour fixative, in addition to cosmetic preparations such as: soaps, frothy, detergents and creams. In addition to more traditional uses, copaiba balm can still act as an anti-irritant active in facial masks.

Recommended usage level: 1 - 10%

Copaiba Oil

(INCI: Copaifera species resin oils)

Copaiba oil has been used by natives of the Amazon in folk remedies long before they were known in the 21st century for relieving pain, stress or serving as an antimicrobial solution.

The rising use of cannabinoids is closely linked with therapeutical activities, besides the anti-inflammatory property. The most highlighted cannabinoids are cannabidiol (CBD), tetrahydrocannabinol (THC), and β-caryophyllene (BCP). These compounds are present in different vegetable sources such as the cannabis plant and Copaiba oil.

Copaiba is one of the most interesting natural ingredients to explore the experience delivered by this kind of product.

Recommended usage level: 1 - 10%

Evicare® TEC

(INCI: Triethyl Citrate)

Evicare® TEC is a natural solvent, water soluble emollient and deodorant active. Evicare® TEC does not act as a bactericide reducing bacteria on the skin. Instead it controls enzymatic function in sweat-degrading microbes. With this simple trick, bacteria on our skin cannot degrade components from our metabolism into smelly substances. A smart way to reduce body smell without changing the composition of the microbiome on our skin. Evicare® TEC is moderately water soluble and simply added to the water phase. In emulsion-based roll on deodorants it works as well as in any other product type. It is popular as a solvent for many ingredients as well.

Recommended usage level: 1.0 - 5.0%

Evicare® magnolia

(INCI: Magnolia Officinalis Bark Extract)

Evicare® magnolia displays a high antimicrobial activity at low concentrations against a number of different micro-organism, be it gram-positive or gram-negative bacteria, yeasts or moulds. Thus, the material can be used as a general antimicrobial booster in your formulation at low concentration.

This oil soluble and pH independant active can not only be used as an effective ingredient against skin pathogens such as, the organisms responsible for acne, athletes foot, dermatosis, oral bacterial etc., it can also be used as an antimicrobial in anhydrous systems such as, lipsticks, lip balms, bath oils etc. Due to the faint and pleasant herbal odour, mild taste and light colour, no unwanted olfactory characteristics will be imparted on the formulation.

In addition to these antimicrobial benefits, Evicare® magnolia also possesses an antioxidative property due to the phenolic structure of the two actives magnolol and honokiol.

Recommended usage level: 0.05% as an active in anti-acne or oral application; 0.2% - 0.3% as an anti-microbial booster

Evicare® wintergreen

(INCI: Salicylic Acid)

Evicare® wintergreen is a natural antimicrobial active and preservative. Salicylic acid is well known in the industry and used as a preservative but even more as an active with specific function as anti-dandruff agent, anti-acne active and for its keratinolytic affect. Evicare® wintergreen is 100% natural and sourced sustainably from the wintergreen shrub as a by-product from aroma sourcing. It is moderately water soluble and can simply be added to the water phase. It is often used in anti-acne and anti-dandruff products as a main active.

Recommended usage level: 0.5 - 2.5%

Evicide® anisate

(INCI: Sodium Anisate)

Evicide® anisate is the nature-identical sodium salt of p-Anisic Acid and is especially designed for cosmetics with reliable performance against yeast and mold. When used in combination with the right anti-bacterial agent such as, Evicide® levulinate it is easily possible to entirely replace the use of traditional preservatives.

Evicide® anisate has a very good water-solubility and works perfectly as a strong fungicidal component for the full protection of surfactant-based products such as, shampoos and shower gels. In emulsions the use of a boosting agent is recommended.

Recommended usage level: 0.1 - 0.3%

Evicide® anisate eco

(INCI: Sodium Anisate)

The 100% natural Evicide® anisate eco is the sodium salt of p-Anisic Acid and is especially designed for natural cosmetics with reliable performance against yeast and mold. When used in combination with the right anti-bacterial agent such as, Evicide® levulinate it is easily possible to entirely replace the use of traditional preservatives.

Evicide® anisate eco has a very good water-solubility and works perfectly as a strong fungicidal component for the full protection of surfactant-based products such as, shampoos and shower gels. In emulsions the use of a boosting agent is recommended.

Recommended usage level: 0.1 - 0.3%

Evicide® anise

(INCI: p-Anisic Acid)

Evicide® anise is a well-known strong fungicide with a reliable performance against yeast and mold. When used in combination with the right anti-bacterial product from the Evicide® range it is easily possible to completely replace traditional preservatives. In surfactant-based products such as, shampoos and shower gels Evicide® anise can be used for protection against yeast and mold. In emulsions the use of a boosting agent is recommended.

Recommended usage level: 0.1 - 0.3%

Evicide® anise eco

(INCI: p-Anisic Acid)

Evicide® anise eco is a well-known 100% natural fungicide, especially designed for natural cosmetics. When used in combination with the right anti-bacterial agent such as, Evicide® levulinate it is easily possible to replace existing traditional preservatives. Evicide® anise eco works perfectly and easily as a strong fungicidal component for the full protection of surfactant-based products such as, shampoos and shower gels. In emulsions Evicide® anise eco is used globally as well, in some cases the use of a boosting agent such as, Evicide® G 5 eco or Evicide® GMCY is recommended.

Recommended usage level: 0.1 - 0.3%

Evicide® BBD

(INCI: Benzyl Alcohol, Benzoic Acid, Dehydroacetic Acid, Tocopherol)

Evicide® BBD is a COSMOS approved, cost effective broad spectrum preservative blend of organic acids and aromatic alcohol, Benzyl Alcohol. This blend of aromatic alcohol and organic acids has strong efficacy against bacteria, yeasts and moulds.

It is suitable for all formulation types, including baby care products and naturally derived. It is effective at low concentrations and below pH 6. Evicide® BBD has a faint, delicate floral- like aroma and can be used and aqueous and surfactant-based products as well as emulsions.

Recommended usage level: 0.4-1.2%

Evicide® BDA

(INCI: Benzyl Alcohol, Dehydroacetic Acid, Aqua)

Evicide® BDA is a blend of organic acid, Dehydroacetic acid, and aromatic alcohol, Benzyl alcohol with water and is suitable for all cosmetic formulations including natural. Protection of your formulation is provided by Evicide® BDA at low levels, and used at ph< 6 after pre-neutralisation.

Evicide® BDA is COSMOS approved, and can be used in aqueous, surfactant based and emulsions providing a broad spectrum protection. It can be used in Serums, tonics, lotions and cleansing products.

Recommended usage level: 0.2-1.1%

Evicide® Butylene Glycol eco

(INCI: Butylene Glycol)

Evicide® Butylene Glycol eco is a clear, colourless liquid with green, eco properties. This eco friendly solvent acts as a humectant and can help to control the viscosity of a product.

Evicide® Butylene Glycol eco helps to increase hydration, improve spreadability, boost preservative efficacy and leaves smooth skin feel and can be used in majority of applications.

Recommended usage level: 1-10%

Evicide® cassia

(INCI: Benzoic Acid)

The 100% natural Evicide® cassia is a traditional powerful food preservative: Benzoic Acid. Produced by fermentation from natural precursors from the Cassia tree this raw material can be used for natural cosmetics that strive to have 100% natural content. The performance as a preservative is well-known and used everywhere in the world of personal care. Evicide® cassia is water-soluble. It works extremely efficiently as a strong preservative component for the full protection of surfactant-based products such as, shampoos and shower gels. In emulsions Evicide® cassia, in some cases requires the use of a boosting agent.

Recommended usage level: 0.1 - 0.5%

Evicide® EC 8

(INCI: Caprylyl Glycol, Ethylhexylglycerin)

Consisting of the well-known multifunctionals Caprylyl Glycol and Ethylhexylglycerin, Evicide® EC 8 is a powerful, broad-spectrum antimicrobial mixture.

It can either be used as a standalone preservation system to replace substances such as parabens, MIT or Phenoxyethanol, or as a booster in combination with other antimicrobials or preservatives.

Recommended usage level: 0.3 – 1.5 %

Evicide® G 5

(INCI: Pentylene Glycol)

Evicide® G 5 is a powerful moisturiser and a good aid for achieving a highly homogenous droplet dispersion in O/W emulsions. However, its most interesting activity is the antimicrobial effect in cosmetic formulations with unlimited pH.

Pentylene Glycol is active against bacteria, yeast and mold. The mode of action is based on its amphiphilic structure, which also enables it to act as a potent penetration enhancer.

Recommended usage level: 1 - 5%

Evicide® G 5 eco

(INCI: Pentylene Glycol)

Evicide® G 5 eco is a powerful moisturiser and a good aid for achieving a highly homogeneous droplet dispersion in O/W emulsions. However, its most interesting activity is the antimicrobial effect in cosmetic formulations with unlimited pH.

Pentylene Glycol is active against bacteria, yeast and mould. The mode of action is based on its amphiphilic structure, which also enables it to act as a potent penetration enhancer.

Recommended usage level: 5% when used as a moisturiser with full preservative effect; 3% use as moisturiser and preservative booster; 1% used as moisturiser and penetration enhancer

Evicide® G 6 & Evicide® G 6 eco

(INCI: 1,2-Hexanediol)

Evicide® G 6 / Evicide® G 6 eco is a skin-friendly refatting agent and powerful moisturiser offering broad-spectrum antimicrobial protection to leave-on products including masks. It is widely used as a natural preservative boosting agent.

Recommended usage level: 0.5 - 3.0%

Evicide® G 8/ Evicide® G 8 eco

(INCI: Caprylyl Glycol)

Evicide® G 8/ Evicide® G 8 eco provides the strongest antimicrobial activity in the family of glycols and is widely used in the personal care industry as a natural preservation boosting agent.

Evicide® G 8/ Evicide® G 8 eco is the preferred boosting agent in skin care formulations. It is especially powerful in all emulsion types and works at low levels to improve the performance of any preservative system. In addition, it can also accelerate the emulsification process to save time in production and provide protection to anhydrous products such as, lipsticks.

Recommended usage level: 0.3 - 0.7%

Evicide® GMCY

(INCI: Glyceryl Caprylate)

The 100% natural Evicide® GMCY is an interesting processing aid in emulsification processes. It can accelerate the emulsification process and save time in production. On top of this Evicide® GMCY is the best known and most widely used natural preservation boosting agent that improves the preservative effect of every known system. Evicide® GMCY is the preferred boosting agent in skin care formulations. It is especially powerful in all emulsion types and works at low levels to boost the performance of any preservative system. Perfect for all certified natural products.

Recommended usage level: 0.3 - 0.7%

Evicide® GML

(INCI: Glyceryl Laurate)

Evicide® GML has a number of exciting functions: It is a skin conditioner, surfactant thickener and also a co-emulsifier used for a quicker emulsifying process and for achieving a highly homogenous droplet dispersion in O/W emulsions. Evicide® GML is mostly known for its antimicrobial effect and preservative boosting capabilities in cosmetic formulations.

The short chain glyceryl monoesters show good efficacy against microorganisms. Within this group, Evicare® GMCY stands out in terms of efficacy but can sometimes compromise the emulsion stability. Evicide® GML is very interesting regarding its promoting effect for emulsion formation while having no issues of lowering viscosity or destabilising emulsions.

Recommended usage level: 0.5 - 2%

Evicide® hydrosens 83

(INCI: Propanediol, Caprylyl Glycol, Hydroxyacetophenone)

Liquid blend of Propanediol, Caprylyl Glycol and Hydroxyacetophenone.

Free from listed preservatives and serves as an effective alternative to Phenoxyethanol. Low-odour and pH-independent it is ideally suited for dry and sensitive skins.

Recommended usage level: 1.5-2%

Evicide® hyacinth

(INCI: Phenylpropanol)

The nature identical Evicide® hyacinth is both a fragrance component and antimicrobial. The delicate floral scent of hyacinth can mask undesired odours in the formulation without using fragrance. In addition to this it provides a distinct antimicrobial effect against fungi and can especially help to protect products when mold is difficult to control. Ideal for modern and mild skin care formulations, as well as fragrance free ones. It is especially powerful against mold in all emulsion types and works at levels as low as 0.3% to improve the performance of any preservative system.

Recommended usage level: 0.1 - 0.5%

Evicide® levanise 1388 eco

(INCI: Sodium Levulinate, Sodium Anisate, Glycerin, Aqua)

Evicide® levanise 1388 eco, a combination of two organic acids, provides strong antimicrobial protection and full spectrum protection against bacteria, yeasts, and fungi. As an aqueous liquid, it is easy to use and have the added benefits of skin conditioning and moisturising.

Evicide® levanise 1388 eco is 100% natural, COSMOS approved and is suitable for use in certified natural cosmetics and all other applications. Recommended for use in the pH range 3.5-6, to prevent dissociation of the organic salts.

Recommended usage level: 3-4%

Evicide® levanise 1388 eco plus

(INCI: Sodium Levulinate, Sodium Anisate, Glycerin, Aqua)

Like Evicide® levanise 1388 eco, Evicide® levanise 1388 eco plus offers the same outstanding benefits including being an outstanding performing antimicrobial but also offers the additional option of adding extra organic content to a formulation due to the organic glycerine used.

Recommended usage level: 3-4%

Evicide® levanise eco

(INCI: Sodium Levulinate, Sodium Anisate, Glycerin, Aqua)

Highly effective and 100% natural broad spectrum antimicrobial mixture. Evicide® levanise eco is a fully water-soluble mixture of sodium levulinate, sodium anisate and the solubilizer glycerin. By using this convenient mixture, solubility issues with anisic acid are circumvented, making application very straight forward.

Due to the excellent water solubility, Evicide® levanise eco can simply be added to the formulations water phase. Evicide® levanise eco is completely natural and complies with all common natural cosmetics certifications such as, COSMOS and Natrue. The Natural Origin Index (NOI) according to ISO 16128 is calculated to be 1.0. Raw materials are sourced from sugar cane or corn (levulinic acid), star anise (anisic acid) and rape seed (glycerin).

In O/W emulsions a booster is sometimes required. We recommend adding either 1 - 2% Evicide G 5 eco or 0.5 - 0.7% Evicide GML.

Recommended usage level: 2.5 - 5.0% at a pH 4.5 - 5.5

Evicide® Levanise eco plus

(INCI: Glycerin, Aqua, Sodium Levulinate, Sodium Anisate)

Evicide® Levanise eco plus, is a broad-spectrum antimicrobial mixture that is water soluble and COSMOS approved, as well as offering organic glycerine to boost organic content in final formulations of natural cosmetics.

Evicide® Levanise eco plus offers protection against bacteria as well as yeasts and fungi, as well as providing moisturisation and conditioning properties.

Evicide® Levanise eco plus is available as a liquid making it extremely easy to manage and use. Best used in the pH range 3.5-6.0 for most personal care formulations for example surfactant based systems such as shampoos or body washes, emulsions or decorative cosmetics.

In O/W emulsions a booster is sometimes required. We recommend adding either 1 - 2% Evicide G 5 eco or 0.5 - 0.7% Evicide GML.

Recommended usage level: 2.5-5%

Evicide® levulinate

(INCI: Levulinic Acid, Glycerin, Sodium Levulinate, Aqua)

Evicide® levulinate is a powerful and 100% natural antibacterial agent. Produced by the conversion of natural precursors from Sugar Cane, this raw material is used in natural cosmetics all over the world. The outstanding performance as an antimicrobial in preservative systems has provided a wide acceptance among formulators. Evicide® levulinate is fully water-soluble and works extremely well as a strong bactericidal component for the full protection of surfactant-based products such as, shampoos and shower gels. In emulsions Evicide® levulinate, in some cases requires the use of a boosting agent.

Recommended usage level: 0.5 - 1.0%

Evicide® levulinate B

(INCI: Aqua, Sodium Levulinate, Sodium Benzoate)

Evicide® levulinate B is a cost-effective powerful preservative blend. Using a synergistic blend of well-proven actives this easy to use liquid can be used to protect everything from baby creams to shower gels. The outstanding performance even allows it to preserve wet wipes! Evicide® levulinate B is a fully water-soluble liquid that works extremely efficiently as a full preservative for surfactant-based products like shampoos or shower gels. In emulsions Evicide® levulinate B, in some cases requires the use of a boosting agent.

Recommended usage level: 1.5 - 2.5%

Evicide® levulinate S

(INCI: Aqua, Sodium Levulinate, Potassium Sorbate)

Evicide® levulinate S is a cost-effective and powerful preservative blend. Using a synergistic mixture of well-proven actives this easy to use liquid effectively protects and preserves everything from baby creams to shower gels. The outstanding performance even allows to preserve wet wipes! Evicide® levulinate S is a fully water-soluble liquid and works extremely well as a full preservative for surfactant-based products like shampoos or shower gels. In emulsions Evicide® levulinate S, in some cases requires the use of a boosting agent.

Recommended usage level: 1.5 - 2.0%

Evicide® levulinate S eco

(INCI: Aqua, Sodium Levulinate, Potassium Sorbate)

Highly effective, cost-effective and 100% natural broad spectrum antimicrobial mixture. Evicide® levulinate S eco is a fully water-soluble mixture consisting of natural Levulinic Acid and innovative naturally sourced Potassium Sorbate.

Using a synergistic mixture of well-proven actives this easy to use liquid effectively protects and preserves everything from baby creams to shower gels. The outstanding performance even allows to preserve wet wipes! In emulsions Evicide® levulinate S eco, in some cases requires the use of a boosting agent.

Recommended usage level: 1.0 - 2.5%

Evicide® MP 8

(INCI: Methylpropanediol, Caprylyl Glycol, Phenylpropanol)

Evicide® MP 8 is a mixture of Methylpropanediol, Caprylyl Glycol and Phenylpropanol, and acts as a potent broad-spectrum antimicrobial mixture. This blend is designed to be an easy-to-use, pH-independent all-purpose replacement for traditional preservatives such as parabens, MIT or formaldehyde releasers. Evicide® MP 8 is suited to preserve all kinds of cosmetic formulations, even hard to protect types such as sun screens or clay-containing creams.

Recommended usage level: 2.5 - 4.0%

Evicide® P 810

(INCI: Phenoxyethanol, Caprylyl Glycol, Decylene Glycol)

Evicide® P 810 is a mixture of Phenoxyethanol, Caprylyl Glycol and Decylene Glycol. The main component, Phenoxyethanol, is one of the most used preservatives worldwide and next to its strong antimicrobial activity, the molecule possesses a delicate and pleasant odour. However, even Phenoxyethanol is usually not capable of preserving a product alone and is therefore combined with one or more boosting agents. In the case of Evicide® P 810 this is achieved through the addition of both Caprylyl Glycol and Decylene Glycol.

These two amphiphilic substances possess the ability to interact with microbial membranes, weakening them and making them more susceptible to penetration. Because of this function, they are the perfect fit for Phenoxyethanol, which needs to enter a microbial cell in order to exercise its antimicrobial effect. Therefore, the mixture Evicide® P 810 is a strong and fast-acting preservation blend, for all kind of emulsions and enables the formulator to avoid parabens or other controversial preservatives.

Recommended usage level: 0.8-1.1%

Evicide® PBD

(INCI: Phenoxyethanol, Benzoic Acid, Dehydroacetic Acid)

Evicide® PBD is a mixture of Phenoxyethanol, Benzoic Acid and Dehydroacetic Acid. Phenoxyethanol is well known as an efficient preservative. However, often one preservative alone fails to deliver the full spectrum of activity that is needed for a safe preservation. Therefore Evicide® PBD contains the powerful co-preservatives, Benzoic Acid and Dehydroacteic Acid. The blend of aromatic alcohol and organic acids has a strong, broad-spectrum efficacy against bacteria, yeasts and molds. Evicide® PBD is a popular preservative blend for all kind of formulations and enables the formulator to avoid parabens or other controversial preservatives like Isothiazolinones or Formaldehyde-releasers.

Recommended usage level: 0.5-1.2%

Evicide® PBS

(INCI: Phenoxyethanol, Benzyl Alcohol, Potassium Sorbate, Aqua, Tocopherol)

Evicide® PBS is a versatile and powerful preservative mixture. It is composed of three safe and globally approved preservatives. On top of the preservatives there is natural Tocopherol present to protect the blend against discoloration. Phenoxyethanol belongs to the most popular preservatives worldwide, due to its mildness, pH-independence and little impact on formulations. However, in many cases Phenoxyethanol is not powerful enough on its own.

This has led to several blends, among the most popular using Ethylhexylglycerin or Caprylyl Glycol as a boosting agent. In some formulation concepts it is recommended to use organic acids instead of amphiphilic boosters, hence the mixture in Evicide® PBS may achieve better results especially at lower pH.

Recommended usage level: 0.8-1.5%

Evicide® PCG

(INCI: Phenoxyethanol, Caprylyl Glycol)

Evicide® PCG is a preservative blend that contains only two components. Phenoxyethanol a well proven broad-spectrum preservative that is globally approved but usually not efficient enough as a preservative. That is why Evicide® PCG also contains Caprylyl Glycol, a very effective preservative booster. The result is a simple but powerful blend that acts as cost-effective and standalone preservative with unlimited pH range. Perfect for skin care formulations that need an efficient cost-control booster that is powerful against all types of micro-organisms in all emulsion types.

Recommended usage level: 0.8 - 1.1%

Evicide® PEHG

(INCI: Phenoxyethanol, Ethylhexylglycerin)

Evicide® PEHG is composed of the well-known preservative Phenoxyethanol and the booster Ethylhexylglycerin.

The ratio was chosen to achieve a highly potent mixture which is able to effectively combat all common microorganisms and provides microbiological product protection. One major advantage of this blend is its flexibility: You are not limited by pH, as both components are working pH-independently.

In addition, the blend is suited for all formulation types, be it surfactant based rinse-off products, rich emulsions, soft lotions, shampoos, or deodorants.

So if you are looking for a one-fits-all preservation blend that is also cost-effective, Evicide PEHG is your answer.

Recommended usage level: 0.8 – 1.1 %

Evicide® Potassium Sorbate eco

(INCI: Potassium Sorbate)

Evicide® Potassium Sorbate eco is an innovative natural alternative for petrochemical sourced Potassium Sorbate. It is sourced from Cassava and has a strong fungicial activity.

Fully water-soluble and works perfectly against potential contamination from fungi, yeast and mold. For a full preservative effect other organic acids like Levulinic Acid should be added. This combination is also available in a ready to use blend Evicide® levulinate S eco.

Organic acids are the perfect antimicrobials for surfactant based products like shampoos or shower gels. In emulsions organic acids are used globally as well, in some cases the use of a boosting agent is recommended.

Recommended usage level: 0.1 - 0.5%

Evicide® propanediol (pof)

(INCI: Propanediol)

Evicide® propanediol(pof) is a non-GMO, natural, COSMOS certified alternative to petroleum-based glycols. This high purity (min. 99.8%) skin-friendly ingredient can be used as a humectant, preservative booster, emollient and carrier solvent.

It is suitable for all personal care products including fragrances, toothpastes, mouthwashes, deodorants, hair, skin and suncare.

Evicide® propanediol(pof) enhances moisturisation and skin feel. It is also palm oil free.

Recommended usage level: 1 – 40%

Evicide® rose

(INCI: Phenethyl alcohol)

The nature identical Evicide® rose is a fragrance component and antimicrobial. The delicate floral scent of rose can mask undesired odours in the formulation without using fragrance. In addition, it has a distinct antimicrobial effect against yeast and mold and can especially help to protect products when fungi are difficult to control.

Evicide® rose is ideal for modern and mild skin care formulations, also fragrance free. It is especially powerful against fungi in all emulsion types and works at levels as low as 0.3% to improve the performance of any preservative system.

Recommended usage level: 0.1 - 0.5%

Evicide® Rose 26

(INCI: Phenethyl Alcohol, Ethylhexylglycerin)

Evicide® rose 26 consists of the two multifunctional ingredients phenethyl alcohol and ethylhexylglycerin. Individually these components already have a strong antimicrobial effect, but when employed together, their efficacy is even more enhanced. This synergy makes our blend Evicide® rose 26 a potent, broad-spectrum antimicrobial raw material, which is highly suitable for the protection of all kinds of cosmetic concepts.

The major component, phenethyl alcohol, is well known as a fragrance compound. It is also used for this purpose, for example to cover undesired odours with its delicate rose-like aroma. Phenethyl alcohol contributes to an efficient preservation system with its antibacterial effect. The mode of action of this aromatic alcohol is based on its amphiphilic structure and inhibition of enzymatic activity. From the outside they interfere with certain functions of the membrane of microorganisms and in the inside they inhibit vital enzymes.

Recommended usage level: 0.8% when used with further antimicrobial substances; 1.0% - 1.2% for standard use; 1.2% – 1.5% for hard to preserve formulations, for example Emulsions at pH >6.5

Evicide® Rose 8

(INCI: Phenethyl Alcohol, Caprylyl Glycol)

Evicide® rose 8 consists of the two multifunctional ingredients phenethyl alcohol and caprylyl glycol. Individually these components already have a strong antimicrobial effect, but when employed together, their efficacy is even more enhanced.

This synergy makes our blend Evicide® rose 8 a potent, broad-spectrum antimicrobial raw material, which is highly suitable for the protection of all kinds of cosmetic concepts. The major component, phenethyl alcohol, is well known as a fragrance compound. It is also used for this purpose, for example to cover undesired odours with its delicate rose-like aroma. Phenethyl Alcohol contributes to an efficient preservation system with its antibacterial effect.

The mode of action of this aromatic alcohol is based on its amphiphilic structure and inhibition of enzymatic activity. From the outside they interfere with certain functions of the membrane of microorganisms and in the inside they inhibit vital enzymes.

Recommended usage level: 0.8% when used with further antimicrobial substances; 1.0% - 1.2% for standard use; 1.2% – 1.5% for hard to preserve formulations

Evicide® rose eco

(INCI: Phenethyl alcohol)

The 100% natural Evicide® rose eco is both a fragrance component and antimicrobial. The delicate floral scent of rose can mask undesired odours in the formulation without using fragrance. In addition to this, it has a distinct antimicrobial effect against yeast and mold and can especially help to protect products when fungi are difficult to control. Ideal for modern and mild skin care formulations, also fragrance-free. It is especially powerful against fungi in all emulsion types and works at levels as low as 0.3% to improve the performance of any preservative system. For all certified natural cosmetics.

Recommended usage level: 0.1 - 0.5%

Evicide® SB

(INCI: Aqua, Sodium Benzoate, Potassium Sorbate)

A proven blend of Sodium Benzoate and Potassium Sorbate, Evicide® SB is a cost-effective, water-soluble liquid designed for ease of formulation.

This COSMOS-approved preservative is widely accepted across both food and cosmetic applications, making it an ideal choice for budget-friendly wet wipes and rinse-off products.

While it provides broad-spectrum protection for all cosmetics, its efficacy is further enhanced by surfactants—making it perfect for shampoos and body washes. For maximum performance, ensure the final formulation maintains a pH between 4.5 and 5.5.

Recommended usage level: 0.5-1.5%

Evicide®magnolia 85

(INCI: Glyceryl Caprylate, Pentylene Glycol, Magnolia Officinalis Bark Extract)

Evicide® magnolia 85 contains highly active Magnolia Bark Extract, used in traditional Chinese medicine for centuries. Combined with plant-derived Glyceryl Caprate and Pentylene Glycol, it forms a 100% natural preservative blend with broad-spectrum antimicrobial activity, suitable for COSMOS and Natrue certified products.

Evicide® magnolia 85 also acts as a solvent for lipophilic actives. Glyceryl Caprylate functions as a skin moisturiser, conditioning agent, and antimicrobial, while Pentylene Glycol is valued for its antimicrobial and humectant properties. Both also help stabilise emulsions. Together, these three ingredients create a powerful multifunctional product, Evicide® Magnolia 85.

Its activity against specific microorganisms is highly observed where the blend is considered for use against acne-causing bacteria. Evicide® magnolia 85 is pH-independent.

Recommended usage level: 1.0 % preservative booster; 1.6 % full preservative; 2.0 % hard to preserve formulations.

GRAPEFRUIT EXTRACT H.GL. - M.S

(INCI: Glycerin, Aqua, Citrus Grandis (Grapefruit) Fruit Extract, Sodium Benzoate, Potassium Sorbate)

GRAPEFRUIT EXTRACT H.GL. - M.S. is a water-soluble extract that providing collagen synthesis stimulation, anti-ageing, moisturisation, purifying and antimicrobial properties. Hairstyle fixation and conditioning.

Recommended usage level: 0.5 – 5%

Hawthorn Berries Cellular Extract

(INCI: Crataegus monogyna Fruit Extract)

Delivering “true to nature” hydrophilic plant profiles. Cellular Extraction harnesses the species’ water-soluble blueprint of phyto-compounds and their derivatives (the entourage), in their synergistic relationships, as they exist in the cell.

Extracted rapidly under high pressure, NATIVE EXTRACTS maintain the molecules’ natural integrity.

Committed to conscious manufacturing, Cellular Extracts are created using purified, deionised, rain-harvested water and less plant material than past processes to produce a natural True to Nature plant extract, that is water-wise, repurposes waste, traceable to source, transparent in composition.

Hawthorn berries are packed with antioxidants that help protect the skin from environmental damage and promote a youthful complexion. They also have anti-inflammatory and antimicrobial properties, which can help calm irritated skin and reduce acne-related inflammation.

Recommended usage level: 0.5 – 1% concentrate; 1 – 5% dilution

HYDROMANIL™ H.GL. - M.S

(INCI: Aqua, Glycerin, Hydrolyzed Caesalpinia Spinosa Gum, Caesalpinia Spinosa Gum, Sodium Benzoate, Potassium Sorbate)

Provital’s iconic moisturiser, now with an additional antibacterial protective effect.

Exclusive 3D Matrix technology for immediate and long-lasting hydration, even after rinsing/ cleansing. Provides film-forming effect that prevents transepidermal water loss, desquamation and cracking. Inhibits the formation of bacterial biofilm.

Recommended usage level: 2-10%

Kangaroo Apple Cellular Extract

(INCI: Solanum Aviculare Fruit Extract)

Delivering “true to nature” hydrophilic plant profiles. Cellular Extraction harnesses the species’ water-soluble blueprint of phyto-compounds and their derivatives (the entourage), in their synergistic relationships, as they exist in the cell. Extracted rapidly under high pressure, NATIVE EXTRACTS maintain the molecules’ natural integrity.

Committed to conscious manufacturing, Cellular Extracts are created using purified, deionised, rain-harvested water and less plant material than past processes to produce a natural True to Nature plant extract, that is water-wise, repurposes waste, traceable to source, transparent in composition. The fruit has been used as an anti-inflammatory poultice on swollen joints.

Extensive peer reviewed research identifies the extract’s compounds potential use for inflammation, blemishes and reactive/atopic skin conditions.

Recommended usage level: 0.5 – 1% concentrate; 1 – 5% dilution.

Lemon Balm Cellular Extract

(INCI: Melissa officinalis Extract)

Delivering “true to nature” hydrophilic plant profiles. Cellular Extraction harnesses the species’ water-soluble blueprint of phyto-compounds and their derivatives (the entourage), in their synergistic relationships, as they exist in the cell.

Extracted rapidly under high pressure, NATIVE EXTRACTS maintain the molecules’ natural integrity.

Committed to conscious manufacturing, Cellular Extracts are created using purified, deionised, rain-harvested water and less plant material than past processes to produce a natural True to Nature plant extract, that is water-wise, repurposes waste, traceable to source, transparent in composition.

Lemon balm extract has powerful anti-inflammatory and antimicrobial properties, making it effective in soothing irritated skin and reducing redness. It also helps to brighten the complexion and protect the skin from environmental stressors with its antioxidant-rich content.

Recommended usage level: 0.5 – 1% concentrate; 1 – 5% dilution

Lemon Scented Tea Tree Cellular Extract

(INCI: Leptospermum Petersonii Leaf Extract)

Delivering “true to nature” hydrophilic plant profiles. Cellular Extraction harnesses the species’ water-soluble blueprint of phyto-compounds and their derivatives (the entourage), in their synergistic relationships, as they exist in the cell. Extracted rapidly under high pressure, NATIVE EXTRACTS maintain the molecules’ natural integrity.

Committed to conscious manufacturing, Cellular Extracts are created using purified, deionised, rain-harvested water and less plant material than past processes to produce a natural True to Nature plant extract, that is water-wise, repurposes waste, traceable to source, transparent in composition.

It smells like a lemon rainforest and has a beautiful eucalyptus and lemon aroma. Used in Aboriginal Australian tribes for generations to boost immunity, the leaves are gathered from the wild for use as a medicine. A natural anti-bacterial perfect for blemish prone skin.

Recommended usage level: 0.5 – 1% concentrate; 1 – 5% dilution

LEMONGRASS EXTRACT PNGN

(INCI: Aqua, Propylene Glycol, Cymbopogon Citratus Extract, Gluconolactone, Calcium Gluconate, Phenethyl Alcohol, Caprylyl Glycol, Sodium Benzoate, Potassium Sorbate)

LEMONGRASS EXTRACT PNGN is a water-soluble extract that activates microcirculation activator and provides antimicrobial, purifying and antiseptic properties.

Recommended usage level: 0.5-5%

ONION EXTRACT GNBN

(INCI: Glycerin, Aqua, Allium Cepa (Onion) Bulb Extract, Sodium Benzoate, Potassium Sorbate)

ONION EXTRACT GNBN is a water-soluble extract for hair growth stimulation. It also provides antimicrobial, purifying, antiseptic, anti-inflammatory, anti-irritation, antioxidant, healing, anti-ageing, photoprotection and hair colour protection.

Recommended usage level: 0.5 – 5%

ORANGE BLOSSOM RAIN

(INCI: Citrus Aurantium Amara (Bitter Orange) Flower Water, Gluconolactone, Sodium Benzoate, Calcium Gluconate)

ORANGE BLOSSOM RAIN is a distillate providing antimicrobial, antiseptic, tonifying, purifying and anti-cellulite properties.

Recommended usage level: 5 – 25%

PAPAYA EXTRACT H.GL. - M.S

(INCI: Glycerin, Aqua, Carica Papaya (Papaya) Fruit Extract, Sodium Benzoate, Potassium Sorbate)

PAPAYA EXTRACT H.GL. - M.S is produced from the fruits of Carica papaya.

The 3 proteases in papaya latex (papain, chymopapain and papaya-proteinase III) have proteolytic activity. The ability to hydrolyse protein fibres is useful for cosmetic products aimed at weakening body and facial hair.

Degradation of the keratin in the hair follicle reduces hair shaft diameter and consequently facilitates hair removal, making it ideal for depilation products. Due to its keratolytic action, papain degrades dead cells in the outermost skin layer, improving skin health, hygiene and brightness.

PAPAYA EXTRACT H.GL. - M.S is recommended for depilatory, anti-ageing, skin cleansing purifying, antiseptic, moisturising, conditioner and exfoliating products.

Recommended usage level: 0.5-5%

PARSLEY EXTRACT H.GL. - M.S

(INCI: Glycerin, Aqua, Carum Petroselinum (Parsley) Extract, Sodium Benzoate, Potassium Sorbate)

PARSLEY EXTRACT H.GL. - M.S. is a water-soluble extract. Anti-ageing. Antioxidant. Free radical scavenger. Protection of skin and hair integrity against oxidative processes. Photoprotection. Antimicrobial. Purifying. Antiseptic.

Recommended usage level: 0.5 – 5%

PINK GRAPEFRUIT EXTRACT H.GL.PV. - SCONS

(INCI: Glycerin, Propanediol, Aqua, Citrus Paradisi (Grapefruit) Fruit Extract)

PINK GRAPEFRUIT EXTRACT H.GL.PV. - SCONS is a water-soluble extract. Anti-ageing. Antioxidant. Hair colour protection. Photoprotection. Moisturising. Refreshing. Smoothing. Hair conditioning. Antiseptic. Antimicrobial. Purifying.

Recommended usage level: 0.5 – 5%

POLYPLANT OILY SKIN GNBN

(INCI: Glycerin, Aqua, Nasturtium Officinale Extract, Arctium Majus Root Extract, Salvia Officinalis (Sage) Leaf Extract, Citrus Limon (Lemon) Peel Extract, Hedera Helix (Ivy) Leaf Extract, Saponaria Officinalis Leaf/Root Extract, Fucus Vesiculosus Extract, Sodium Benzoate, Potassium Sorbate)

POLYPLANT OILY SKIN GNBN is a complex of vegetable extracts in Glycerin / Water, which contains Seaweed, Great Burdock, Watercress, Ivy, Lemon, Sage and Common Soapwort.

Recommended usage level: 0.5 – 5%

Contact Us

Interested?

Then contact the Infinity team for more information:

T: 01344 354 900

E: technical@infinity-ingredients.co.uk

W: infinity-ingredients.co.uk