

# INFINITY INGREDIENTS

Inspiring Cosmetics

Bath and Shower



## Bath and Shower

The bath and shower market sector has certainly progressed since the days of using a bar of soap.

That said, many liquid toiletry products still contain the basic SLES, Betaine systems that are thickened by salt. This system is extremely cost effective, but not necessarily the best for your skin. It probably won't help your product to stand out in a cluttered market, either.

Fragrance, colour and tip-ins are all important in this market sector.

### Actimilk™ Apricot

(INCI: Water, Prunus Armeniaca (Apricot) Kernel Oil, Glycerin, Lysolecithin)

Made from organic oil obtained by a cold pressing process from upcycled apricot kernels (food industry waste). Rich in oleic acid and linoleic acid, Vitamins A & E, Actimilk™ Apricot is an active plant milk that helps to reduce the inflammatory cascade, protect skin barrier, rebalance dry skin and avoid the delipidating effect of surfactant-based formulas (even in rinse-off applications) for soothed, soft and supple skin.

Recommended usage level: 1-5%

### Actimilk™ Sweet Almond

(INCI: Water, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Glycerin, Lysolecithin)

Obtained from pressing the seeds of the almond tree (almond nuts), and rich in oleic acid and linoleic acid, Vitamins A & E, Actimilk™ Sweet Almond is an active plant milk that moisturises for up to 24 hours after a single application for nourished and smoothed skin.

Recommended usage level: 1-5%

### Actimilk™ Argan

(INCI: Water, Argania Spinosa Kernel Oil, Glycerin, Lysolecithin)

Obtained from Organic Virgin oil from cold pressing of argan seeds which are exceptionally rich in vitamin E, Actimilk™ Argan improves softness, frizz and manageability of damaged hair in both rinse-off and leave-on applications, leaving hair less coarse, smoother and easier to comb

Recommended usage level: 1-5%

### Alder Buckthorn Dye Extract

(INCI: Frangula alnus bark extract, Maltodextrin)

Orange soluble dye plant extract recommended for skin care and Personal Care applications.

Recommended usage level: Aqueous and transparent formulations: 0.1 - 0.5%; Emulsions: 1 - 3%

## Amisol Trio™

(INCI: Phospholipids (and) Glycine Soja (Soybean) Oil (and) Glycolipids (and) Glycine Soja (Soybean) Sterols)

Amisol Trio™ is an eco-friendly active biolipid complex, extracted from Soybean. It is ideal for sensitive and delicate skin and hair.

Amisol Trio™ is composed of essential Biolipids present in each cell membrane, such as Phospholipids, Glycolipids, Phytosterols and Vitamin F (Linoleic acid). It provides super-fattening properties, offers protection and improves moisture balance of the hair and skin (even in rinse-off applications).

Recommended usage level: 0.5 - 1.5%

## Australian Tea Tree Oil WS

(INCI: Water, PEG 40 Hydrogenated Castor Oil, Polysorbate 20, Melaleuca Alternifolia (Tea Tree) Oil)

Australian Tea Tree Oil WS is an aqueous micro-emulsion of Tea Tree Oil. It has a broad spectrum antimicrobial and anti-inflammatory activities specially developed for products aimed at problem of skin and scalp.

Recommended usage level: Skin Care: 5-10%; After-sun Care: 5-10%; Hair Care and problem scalp: 5-10%; Toiletries: 5-10%; Deodorant: 1-5%; Preservative booster: 3%

## Annato Dye Extract

(INCI: Maltodextrin, Annatto / CI 75120 / E160b, Potassium hydroxide)

Orange soluble dye plant extract recommended for skin care and Personal Care applications.

Recommended usage level: Aqueous and transparent formulations: 0.1 - 0.5%; Emulsions: 1 - 3%

## Avocado Powder

(INCI: Persea Gratissima (Avocado) Fruit Powder)

The avocado has been a product of excellence at Laboratoires Expanscience for over 30 years. By choosing to work with local partners through our South African and Latin American avocado suppliers, Laboratoires Expanscience are taking concrete steps to fight deforestation, encourage best cultural practices based on tradition and contribute to strengthening the producer's economy and society.

Avocado powder is produced by grinding the whole dehydrated, delipidated fruit (stone, pulp and skin). The smooth avocado particles obtained (average granulometry: 100-500µm) act gently rather than abrasively on the skin surface.

An alternative to plastic micro-beads, plant scrubs remove dead cells and impurities from the skin mechanically and gently. It accelerates skin renewal and brightens the complexion. Plant scrubs soften and unify the epidermis and facilitate the penetration skin care products.

Recommended usage level: 0 - 100%

## Babaçu oil

(INCI: Orbignya Oleifera Seed Oil)

Babaçu oil has emulsifying properties making it ideal for the preparation of O/W type emulsions. As an active ingredient, it can be used in skin and hair products for moisturisation. In soap it can be used to replace fats of animal and vegetable origin and as a raw material to obtain surfactants.

Babaçu almond is used in baby products in the form of liquid talc. When crushed, the seed produces a powder, known as babaçu powder, which absorbs moisture and helps protect the baby's skin, especially in the region of direct contact with the nappy.

Recommended usage level: 0.5 - 5% creams and lotions; 0.5 - 8% bar soaps and 0.1 - 1% in hair products

## 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  $\beta$ -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%

## Calybiota<sup>®</sup> Bio

(INCI: Glycerin, Water, Bombax Costatum Flower Extract)

Calybiota<sup>®</sup> Bio is an extract rich in polysaccharides of red Kapokier calyces, a tree sourced in Africa. Calybiota<sup>®</sup> Bio is COSMOS certified by Ecocert and is particularly recommended for personal care and intimate hygiene products.

A clinical study has demonstrated its protective role of the vaginal flora. This study revealed a prebiotic effect in this flora, showing a reduction in inflammation and feelings of discomfort, hydration of the intimate area and an improvement in sexual comfort.

Calybiota<sup>®</sup> Bio is also recommended for acne-prone, atopic/eczematous or hypersensitive skin, as well as for deodorant formulas, limiting unpleasant odours. This active ingredient protects and maintains the balance of the skin microbiota.

Recommended usage level: 1 - 3%

## Coreopsis Dye Extract

(INCI: Coreopsis tinctoria flower/leaf/stem extract, Maltodextrin)

Yellow soluble dye plant extract recommended for skin care and Personal Care applications.

Recommended usage level: Aqueous and transparent formulations: 0.1 - 0.5%; Emulsions: 1 - 3%

## CYTOFRUIT® WATERS Bergamot

(INCI: Citrus Aurantium Bergamia Fruit Extract)

CYTOFRUIT® WATERS Bergamot is a Cosmos certifiable and circular economy fruit water from the production of Bergamot juice. The fruits are harvested in the Mediterranean.

Bergamot offers calming and antiseptic properties for irritated skin as well as cooling and refreshing benefits. Ideal for use in cleansers and toners to achieve clear and flawless skin.

Thanks to the presence of oligo-elements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 - 100%

## CYTOFRUIT® WATERS Grapefruit

(INCI: Citrus Grandis Fruit Extract)

CYTOFRUIT® WATERS Grapefruit is a Cosmos certifiable and circular economy fruit water from the production of Grapefruit juice. The fruit is harvested in the Mediterranean and is rich in bioflavanoids.

Grapefruit provides detoxifying and antioxidant properties, whilst improving cell energy levels for anti-ageing benefits. Ideal for skin toning, anti-cellulite, detoxifying and oily skin.

Thanks to the presence of oligo-elements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 - 100%

## CYTOFRUIT® WATERS Clementine

(INCI: Citrus Clementina Fruit Extract)

CYTOFRUIT® WATERS Clementine is a Cosmos certifiable and circular economy fruit water from the production of Clementine juice. The fruits are harvested in Mediterranean and are rich in Potassium, Calcium, beta-Carotene and Vitamin C.

Clementine offers refreshing, purifying and free radical scavenging properties.

Thanks to the presence of oligo-elements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 - 100%

## CYTOFRUIT® WATERS Green Mandarin

(INCI: Citrus Nobilis Fruit Extract)

CYTOFRUIT® WATERS Green Mandarin is a Cosmos certifiable and circular economy fruit water from the production of Green Mandarin juice.

The fruits are harvested in the Mediterranean and show precious antiseptic characteristics as well as an anti-stress, making it ideal for use in relaxing, anti-stress, uplifting, refreshing, anti-depressant, soothing and lenitive applications.

Thanks to the presence of oligo-elements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 - 100%



## CYTOFRUIT® WATERS Kiwi

(INCI: Actinidia Chinensis Fruit Extract)

CYTOFRUIT® WATERS Kiwi is a Cosmos certifiable and circular economy fruit water from the production of Kiwi juice.

The fruits are harvested in the Mediterranean and are suitable for all skin types due to Kiwi's versatile protective properties. Suitable for energising skin and stimulating the skin's defence system.

Thanks to the presence of oligo-elements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 - 100%

## CYTOFRUIT® WATERS Pomegranate

(INCI: Punica Granatum Fruit Extract, Potassium Sorbate)

CYTOFRUIT® WATERS Pomegranate is a Cosmos certifiable and circular economy fruit water from the production of Pomegranate juice.

The fruits are harvested in the Mediterranean and are rich in Vitamin C, E and K.

Thanks to the presence of oligoelements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 – 100%

## CYTOFRUIT® WATERS Lemon

(INCI: Citrus Limon Fruit Extract)

CYTOFRUIT® WATERS Lemon is a Cosmos certifiable and circular economy fruit water from the production of Lemon Juice. The Lemons, harvested in the Mediterranean are rich in Vitamin C, Potassium and Citric Acid.

Lemon fruits cleanse and exfoliate dull and oily skins, whilst refreshing and quenching the skin's thirst to provide a radiant glow. In addition, Lemon fruit also offers natural anti-bacterial and astringent properties.

Thanks to the presence of oligo-elements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 - 100%

## CYTOFRUIT® WATERS Red Orange

(INCI: Citrus Sinensis (Orange) Fruit Extract)

CYTOFRUIT® WATERS Red Orange is a Cosmos certifiable and circular economy fruit water from the production of Red Orange juice. The fruits are harvested in the Mediterranean and are rich in Vitamin C.

Red Orange stimulates the skin with a cocktail of nutritive components and provides a toning effect.

Thanks to the presence of oligoelements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 - 100%

## CYTOFRUIT® WATERS Sweet Orange

(INCI: Citrus Aurantium Dulcis Fruit Extract)

CYTOFRUIT® WATERS Sweet Orange is a Cosmos certifiable and circular economy fruit water from the production of Sweet Orange juice. The fruits are harvested in the Mediterranean and are rich in Vitamin C.

Sweet Orange fruits gently awaken the skin with a cocktail of vitamins, whilst providing a re-energising fresh, fruity zest for a reborn skin.

Thanks to the presence of oligoelements, this CYTOFRUIT® Water could sustain skin biological benefits through an improvement of cell vitality, a protection against external agents or a physiological improvement.

Recommended usage level: 1 - 100%

## Eco Scrub Murumuru

(INCI: Astrocaryum murumuru seed powder)

Eco Scrub Murumuru represents a natural and sustainable alternative to the use of exfoliating synthetic polymers. The product has natural coloration without the addition of synthetic additives and brings all the benefits of the fruit to the exfoliation in the final formulation.

It is rich in lauric and myristic fatty acids, in addition to vitamin E constituent tocopherols. It can be used in gels for face and body, as well as liquid soaps, creams and bath lotions.

Recommended usage level: 0.1 - 1.5% liquid and bar soaps; 0.1 - 1% creams, lotions and gels

## Evicare® aquatex 14

(INCI: Xanthan Gum )

Evicare® aquatex 14 is a Cosmos certified, non-GMO, transparent and vegan gelling agent. Electrolyte tolerant it is compatible with up to 40% alcohol.

Incredibly fast solubility and excellent transparency due to its granulated form.

Evicare® aquatex 14 offers a higher viscosity yield compared to Evicare® aquatex 80.

Recommended usage level: 0.1 – 1.0%

## Dyer's Sorghum Dye Extract

(INCI: Sorghum bicolor leaf/stem extract, Maltodextrin)

Pink/ Red soluble dye plant extract recommended for skin care and Personal Care applications.

Recommended usage level: Aqueous and transparent formulations: 0.1 - 0.5%; Emulsions: 1 - 3%

## ESSACHEM® BW

(INCI: Behenyl Olivat)

A natural based ester complex designed to offer thickening properties without compromising the spread of the formulation on the skin and hair. ESSACHEM® BW will thicken the oil phase of emulsions, lip applications and oil enriched cleansers to aid stabilisation whilst delivering an exceptional skin feel.

This natural complex will enhance the moisturisation properties and post rinse after feel from oil enriched body wash formulations without impacting the cleansing and foaming properties.

Recommended usage level: 2 - 8%

## Evicare® aquatex 80

(INCI: Xanthan Gum )

Evicare® aquatex 80 is a Cosmos certified, non-GMO, transparent and vegan gelling agent. Electrolyte tolerant it is compatible with up to 40% alcohol.

Fast solubility and excellent transparency. Highly compatible with surfactants and significantly reduced stringiness. Evicare® aquatex 14 offers a higher viscosity yield compared to Evicare® aquatex 80.

Recommended usage level: 0.1 – 1.0%

## Evicare<sup>®</sup> complex 1

(INCI: Phytic Acid, Aqua)

Evicare<sup>®</sup> complex 1 is a natural substitute for EDTA. With a strong complexing function this readily biodegradable raw material traps undesired metal ions that accelerate oxidation and helps to protect sensitive materials in cosmetic products. By removing Magnesium and Calcium it makes water softer and helps to boost foam in shampoos and cleansing products.

Evicare<sup>®</sup> complex 1 is water soluble and can simply be added to the water phase. In emulsions it supports antioxidants by removing metal ions that catalyse oxidation processes. In surfactant-based products it helps to increase foam volume.

Recommended usage level: 0.1 - 0.3%

## Evicare<sup>®</sup> complex 3

(INCI: Sodium Phytate, Aqua, Alcohol)

Evicare<sup>®</sup> complex 3 is a natural substitute for EDTA. With a strong complexing function this readily biodegradable raw material traps undesired metal ions that accelerate oxidation and helps to protect sensitive materials in cosmetic products. By removing Magnesium and Calcium it makes water softer and helps to boost foam in shampoos and cleansing products. The pre-neutralized Evicare<sup>®</sup> complex 3 is very colour-stable, easy to use and can be added to the water-phase. In emulsions it supports antioxidants by removing metal ions that catalyse oxidation processes. In surfactant-based products it helps to increase foam volume.

Recommended usage level: 0.1 - 0.3%

## Evicare<sup>®</sup> complex 12

(INCI: Sodium Phytate)

Evicare<sup>®</sup> complex 12 is a natural substitute for EDTA. With a strong complexing function this readily biodegradable raw material traps undesired metal ions that accelerate oxidation and helps to protect sensitive materials in cosmetic products. By removing Magnesium and Calcium it makes water softer and helps to boost foam in shampoos and cleansing products. The pre-neutralized Evicare<sup>®</sup> complex 12 is the purest form of this natural chelator. Readily water soluble it can simply be added to the water phase. In emulsions it supports antioxidants by removing metal ions that catalyse oxidation processes. In surfactant-based products it helps to increase foam volume.

Recommended usage level: 0.1 - 0.3%

## Evicare<sup>®</sup> silk

(INCI: PCA Glyceryl Oleate)

Evicare<sup>®</sup> silk is a fully natural hair conditioning agent. Due to its molecular structure it has a natural cationic charge that helps to create a connection to human hair. The natural Oleic Acid in the molecule is identical to the protection provided in the natural state of the hair and therefore restores the protection that is lost by washing the hair and stress caused by UV, Oxygen etc. It is compatible with all common surfactants and can be used in shampoos, hair conditioners and masks. The conditioning effect on the skin can be used in shower gels, skin care and lip stick products too.

Recommended usage level: 0.5 - 2.0%



## 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%

## Genipa Dye Extract

(INCI: Genipa americana fruit extract, Maltodextrin, Potassium Sorbate)

Blue soluble dye plant extract recommended for skin care and Personal Care applications.

Recommended usage level: Aqueous and transparent formulations: 0.1 - 0.5%; Emulsions: 1 - 3%

## Green CAPB-B

(INCI: Cocamidopropyl betaine)

The Green CAPB-B is obtained by the crude babaçu oil. This oil is rich in lauric, myristic and oleic fatty acids. This allows the actives products presents in the formulation to be better absorbed by the hair, enhancing its effects. In addition, the oil is known for its emollient properties and for its lightness in the hair fiber, being absorbed quickly without affecting its movement or leaving them oily.

The Green CAPB-B has excellent dermal compatibility and associated with anionic surfactants, allow a synergistic reduction of irritability to the eyes and skin, brings a soft and creamy foam, besides that, it is naturally more viscous. Can be used in clear and pearly shampoos formulations, formulations for kids, shower gel, shower foam, liquid soaps.

Recommended usage level: 1 - 5% hair care and 1 - 8% skin care.

## FOAMIN'TEA

(INCI: Camellia oleifera seed extract)

FOAMIN'TEA is a 100% natural and upcycled plant powder with surfactant assets and is a by-product of the tea seeds oil extraction. Thanks to its properties, FOAMIN'TEA can replace your usual surfactant to create a generous foaming effect, with cleaning and antimicrobial actions. This anionic surfactant is ideal for use in a variety of applications including: dry cleansers, micellar waters, shower gels, shampoos, cleaning pastes and toothpastes.

Recommended usage level: TBC

## Golden Rod Dye Extract

(INCI: Solidago virgaurea extract, Maltodextrin)

Yellow soluble dye plant extract recommended for skin care and Personal Care applications.

Recommended usage level: Aqueous and transparent formulations: 0.1 - 0.5%; Emulsions: 1 - 3%

## Green Cocoamphoacetate B

(INCI: Sodium Babassuamphoacetate)

Green Cocoamphoacetate B (from Babaçu oil) is a mild amphoteric vegetal surfactant (35 - 40% active) that is Cosmos certified. It is a multi-functional ingredient that can be used in a variety of personal and hair care applications as well as baby/ kids care.

Rich in lauric, myristic and oleic fatty acids, its benefits of application to the skin and hair are superior to the conventional product of the market.

Recommended usage level: 3%

## Infinity Ingredients Elements®

(INCI: Various)

Range of oils and butters.

Recommended usage level: Various

## Lucerne's Chlorophyll Dye Extract

(INCI: E141(ii) / CI 75810)

Green soluble dye plant extract recommended for skin care and Personal Care applications.

Recommended usage level: Aqueous and transparent formulations: 0.1 - 0.5%; Emulsions: 1 - 3%

## Madder Rich Dye Extract

(INCI: Rubia tinctorum root extract, Maltodextrin)

Orange soluble dye plant extract recommended for skin care and Personal Care applications.

Recommended usage level: Aqueous and transparent formulations: 0.1 - 0.5%; Emulsions: 1 - 3%

## Kahai Oil

(INCI: Caryodendron orinocense nut oil )

Kahai Oil is a 100% natural anti-aging oil, extracted by cold pressing the nuts of the Cacay tree. Its high content of natural Vitamin E, F & Retinol nourishes, softens and repairs damaged skin and hair. Kahai Oil revitalises the skin returns radiance, reduces fine lines and wrinkles, and giving it a long lasting hydration.

For haircare, it provides shine and silkiness, and also prevents split ends. Kahai Oil contains 50% more Vitamin E and twice the amount of Linoleic Acid than Argan oil; and it has 3 times more Retinol than Rose Hip Oil.

Recommended usage level: Various

## Madder Dye Extract

(INCI: Rubia tinctorum root extract, Maltodextrin)

Yellow/ Orange soluble dye plant extract recommended for skin care and Personal Care applications.

Recommended usage level: Aqueous and transparent formulations: 0.1 - 0.5%; Emulsions: 1 - 3%

## Organic Deodorised Coconut Oil

(INCI: Cocos Nucifera Oil)

Organic Deodorised Coconut Oil is a light oil rich in medium chain fatty acids and particularly Lauric Acid, which makes it ideal for use in soaps. It also acts as an excellent emollient with a great affinity for skin and hair. Ideal for soaps, moisturisers, massage oils and hair products.

Recommended usage level: 1-10%

## Organic Glycerin

(INCI: Glycerin)

Glycerin is a syrupy, odourless and colourless liquid with great moisturising properties. Glycerin can retain several times its weight in water, making it a key ingredient in various cosmetics formulations such as: Soap, Shaving foam, Toothpaste, Hair care, Skin care.

Our Organic Glycerin is made with vegetable oil of Karanja, tree from fabaceae family, native from Asia. In India Karanja's crops are widely encouraged to rehabilitate areas traditionally considered as unworkable. Cosmetic and Food grade. Halal certified.

Recommended usage level: 0.5 - 10%

## Organic Sunflower Oil

(INCI: Helianthus Annuus Seed Oil)

Organic Sunflower Oil is rich in linoleic acid, oleic acid and vitamin E and helps to soothe and moisturise the skin, as well as condition dry hair. Ideal for use as a base oil in anhydrous products and also in skincare, haircare, baby, massage and bath products. Available in Organic Deodorised high oleic and Organic Deodorised options.

Recommended usage level: up to 70%

## Organic Olive Oil

(INCI: Olea Europaea Fruit Oil)

Organic Olive Oil is rich in essential fatty acids, tocopherols and squalene and acts as a natural emollient, moisturiser and skin regenerator. Ideal for use in skincare, body care, haircare, hand care and bar soaps. Available in Organic Extra Virgin, Organic Deodorised and Organic Fairtrade options.

Recommended usage level: 1-10%

## PhytOlive® Fine

(INCI: Olea Europaea Seed)

PhytOlive® Fine is an olive sourced exfoliant offering a bio-based alternative to plastic beads scrubs. Its uniqueness is due to its sourcing and sensory properties, at the core of SOPHIM's values.

PhytOlive® Fine is made in France (Provence Origin), and is upcycled from olive stones. This smooth exfoliant offers a grain size of 500 microns, fitting various needs and offering multiple opportunities to formulators such as, skin purification and skin cleansing.

Recommended usage level: 5-25%

## Sappanwood Dye Extract

(INCI: Caesalpinia sappan bark extract, Maltodextrin)

Orange/ Red soluble dye plant extract recommended for skin care and Personal Care applications.

Recommended usage level: Aqueous and transparent formulations: 0.1 - 0.5%; Emulsions: 1 - 3%

## TI-NatSurf<sup>®</sup> BW

(INCI: Aqua (Water), Decyl Glucoside, Sodium Myristoyl Sarcosinate, Cocamidopropyl Hydroxysultaine, Sodium Cocoyl Amino Acids (Apple))

TI-NatSurf<sup>®</sup> BW is designed for formulating premium range of high-end bath, body, and hair products. It may be used as the primary or as the secondary surfactant offering excellent hydrophobe compatibility without compromising foam integrity.

It has excellent compatibility with traditional anionic systems, such as lauryl and laureth sulphates and a variety of sulphonates, making it an ideal choice for secondary surfactant replacement, to improve foam characteristics of a system.

Its uncompromising foam performance in the presence of natural polar oils, makes it the ideal candidate in the preparation of moisturising bath products offering exception post-rinse sensory.

Recommended usage level: 25 – 50%

## TI-GrnSurf<sup>®</sup> LCI

(INCI: Water (Aqua), Disodium Laureth Sulfosuccinate, Coco-Betaine, Sodium Cocoyl Isethionate, Sodium Lauryl Sulfoacetate)

TI-GrnSurf<sup>®</sup> LCI is a unique synergistic mixture of mild secondary surfactants, designed to achieve primary surfactant performance. It is ideal for use in mild cleansing applications with pH's in the range of 4.5 to 6.5 such as shampoos, bubble baths, hand soaps and other mild personal care products.

Its mildness helps contribute to colour retention in shampoos for treated hair. It is especially designed for use in combination with TI-NatSurf<sup>®</sup> BW at specific ratios to obtain crystal clear viscous sulphate-free systems.

It can also be used in combination with other non-ionics or amphoteric.

Recommended usage level: 25 – 50%

## TI-NatSurf<sup>®</sup> FHS

(INCI: Aqua (Water), Caprylyl/ Capryl Glucoside, Sodium Lauroyl Sarcosinate, Decyl Glucoside, Cocamidopropyl Hydroxysultaine, Sodium Cocoyl Amino Acids (Apple))

TI-NatSurf<sup>®</sup> FHS is specifically designed for use in low viscosity aerated pump foaming systems. It may be used as the primary or as the secondary surfactant in a variety of sulphate-free toiletry preparations using aerated pump foaming systems as their mode of delivery.

It has excellent compatibility with traditional anionic systems, such as lauryl and laureth sulphates and a variety of sulphonates. Its hydrophobe compatibility allows the formulation of crystal clear micro-emulsions or stable opaque dispersions with emollient esters, and other natural polar oils.

Recommended usage level: 25 - 50%

## TI-NatSurf<sup>®</sup> QCB

(INCI: Aqua (Water), Cocamidopropyl Hydroxysultaine, Myristamine Oxide, Caprylyl/Capryl Glucoside, Decyl Glucoside)

The TI-NatSurf<sup>®</sup> QCB is a uniquely designed to provide versatility in formulation a wide range of personal care cleansing preparations. It may be used as the primary or as the secondary surfactant offering excellent hydrophobe compatibility without compromising foam integrity.

It has excellent compatibility with traditional anionic systems, such as lauryl and laureth sulphates and a variety of sulphonates, making it an ideal choice for secondary surfactant replacement, to improve foam characteristics of a system. Its hydrophobe compatibility allows the formulation of crystal clear micro-emulsions with emollient esters, and other natural polar oils, offering exception post-rinse sensory.

It is compatible with quaternary ammonium compounds and other cationics, and has great compatible with high electrolyte levels, while still maintain a crystal clear system.

Recommended usage level: 25 – 50%

## ZENESTER<sup>®</sup> ME

(INCI: Bis-PEG10 Dimethicone/Dimer Dilinoleate Copolymer)

Zenester<sup>®</sup> ME is a high molecular weight (36,000) polymeric silicone polyester, it is a completely reacted product. It is highly lubricious, provides superb skin feel when delivered from aqueous systems.

Zenester<sup>®</sup> ME is non-ionic and is compatible with oil/water and water/oil systems as well as anionic systems, thereby providing the formulator with greater latitude.

Zenester<sup>®</sup> ME is water dispersible and would be brilliant in sun and skin applications. Zenester<sup>®</sup> ME is patent pending.

Recommended usage level: 0.25 - 4%

## ZENERBET<sup>®</sup>

(INCI: Octyl Dodecyl Dimer Dilinoleyl Alcohol/Succinic Acid Copolymer)

Zenerbet<sup>®</sup> is a unique Guerbet polyester made from naturally derived Dimer Alcohol, Dimer acid (Succinic acid) and Guerbet alcohol (Cctyl Dodecanol). This 100% active branched polymeric Guerbet, which has a high molecular weight (10,000+) is a hydrophobic products that can be used in a variety of hair, colour, skin and sun care applications.

Zenerbet<sup>®</sup> is a branched liquid that lubricates and conditions skin and hair. Its high molecular weight has superb barrier qualities making it a wonderful product with dramatic effects in skin and sun applications as well as products for dry hair and scalp.

Its hydrophobic properties prevent it from washing off making it an excellent natural water resister and film forming polymer.

Recommended usage level: 0.5 - 10%

## ZENESTER<sup>®</sup> S

(INCI: PEG-8 Dimethicone/Dimer Dilinoleic Acid Copolymer)

Zenester<sup>®</sup> S is a water soluble high molecular weight (25,000) polymeric silicone polyester. It is highly lubricious and provides excellent wet comb and conditioning as well as superb skin feel when delivered from aqueous systems.

Zenester<sup>®</sup> S is non-ionic and is compatible with cationic and anionic systems thereby providing the formulator with greater latitude. This product is water soluble and goes clear into a formula. Zenester<sup>®</sup> S is patent pending.

Recommended usage level: 0.25 - 4%



## ZENICONE® IX

(INCI: PEG-8 Dimethicone, PEG-8 Ricinoleate)

This versatile product is a water-soluble polymer. It is very substantive to hair and skin. Since the product is non-ionic, it is compatible with cationic and anionic surfactants.

Additionally, it acts as a coupler for W/O emulsions and blends clear into formulas. It contributes to volumising in normal to oily hair shampoos. This unique compound has superb pigment wetting and dispersion properties.

It may be used in spray-on sun and moisturising applications.

Recommended usage level: 0.25 - 4%

## ZENICONE® XX

(INCI: PEG-8 Dimethicone, PEG-8 Ricinoleate)

ZENICONE® XX is a high molecular weight (6,000) water-soluble polymer. This highly substantive product does not adversely affect foam or viscosity in shampoos while contributing to volumizing and improved comb through.

In skin and sun emulsions, the high molecular weight increase substantivity and creates a lubricious emollient feel while leaving the skin soft and smooth.

Recommended usage level: 0.25 - 4%

## ZENICONE® XQ

(INCI: PEG-8 Dimethicone, PEG-8 Ricinoleate, Polyquaternium 57)

This multi-functional water-soluble polymer created from a castor based quaternary will improve volumising and manageability of dry and damaged hair. It has a high molecular weight and is very mild in formulations used for skin and sun applications.

Recommended usage level: 0.25 - 4%

## ZENIGLOSS® Q

(INCI: Polyquaternium-57)

This new quaternary compound is based on polymerised castor oil. Its cationic nature provides substantive conditioning and gloss to the hair making it ideal for conditioners. It performs very effectively on damaged (coloured, permed, or bleached) hair and is a superb detangler.

Zenigloss® Q is an extremely mild polymer and can be used for body washes, skin and hair applications. In 2in1 shampoos Zenigloss® Q has been found to outperform conventional silicone based ingredients in both wet and dry comb performance, as well as gloss providing shine to the hair.

Can also be used in nail varnish removers.

Recommended usage level: 0.5 - 4%

## ZENIGLOSS® Q-SE

(INCI: Polyquaternium-57, PEG 8 Ricinoleate)

This self-emulsifying quaternary compound based on Zenigloss® Q-SE forms a stable emulsion when mixed into cold or warm water. The self-emulsifying properties result in an easy to use conditioning system that provides substantivity and gloss to all applications.

It performs very effectively on damaged (coloured, permed, or bleached) hair and is a superb detangler. Zenigloss® Q-SE is an extremely mild polymer and can be used for body washes, skin and hair applications.

In 2in1 shampoos Zenigloss® Q-SE has been found to outperform conventional silicone based ingredients in both wet and dry comb performance, as well as gloss providing shine to the hair. Can also be used in nail varnish removers.

Recommended usage level: 2 - 8%

## ZENIGLOSS® S

(INCI: Castor Isostearate Beeswax Succinate)

This unique solid polymer with its high molecular weight improves substantivity and puts exceptional gloss in a wide variety of applications.

ZENIGLOSS® S has excellent pigment wetting and dispersion attributes. It is ideal for use in color cosmetics, AP sticks, makeup sticks, and pencils as well as body scrubs.

It is natural and biodegradable and 100% active.

Recommended usage level: 2 - 10%

# Contact Us

Interested?

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