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Propanediol

WHAT IS IT

Propanediol is a highly pure glycol derived from sustainable and renewable corn sugar fermentation process that is a 100% natural ingredient. Approved by Ecocert™ and certified by the Natural Products Association (NPA).

WHY IT'S INCLUDED

This ingredient is the perfect glycol solution for formulations where non-petroleum-based ingredients are desired. Propanediol is used in our formulations to replace glycols such as propylene glycol.

THE FACTS

Benefits of propanediol include its purity, lack of irritation and sensitization, and environmentally sustainable nature. Propanediol can function as an emollient and humectant. Propanediol is the ideal replacement for petroleum-based glycols with a sustainable, corn sugar-derived alternative.

BENEFITS

- The first glycol approved by EcoCert™
- High Purity
- Lack of Irritation and Sensitization
- Preservative-free
- Antibacterial & Antifungal Properties
- Environmentally Sustainable Nature
- 100% Renewably-sourced Ingredient from Corn Sugar

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov
- Natural Products Association (NPA) at www.npainfo.org

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Glycerin

WHAT IS IT

Glycerin is a sugar alcohol that is used in the food and beverage industry as well as pharmaceutical and personal care formulations. It serves as a humectant to attract and retain water. Glycerin is a product from the breakdown of fats; the other product is a fatty acid.

WHY IT'S INCLUDED

This sugar alcohol is naturally present in our skin. It is present in all natural lipids (fats), animal or vegetable. We use ingredients such as these as they are natural to the skin and support its function.

THE FACTS

Glycerin is a humectant. It can be derived from natural sources through a fermentation process or synthetically manufactured. It can aid in skin's natural protection by attracting water and help other skin lipids function more efficiently

BENEFITS

- Humectant
- High Purity
- Aids in skin homeostasis by supporting a proper water and lipid balance

FOR MORE INFORMATION

- American Journal of Clinical Dermatology
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Amino Acids

(Arginine, Asparagine, Glycine, Histidine, Lysine, Glutamic Acid, Proline, Aspartic Acid, Serine, Valine)

WHAT IS IT

Amino Acids are the second largest component of the human body, second only to water. They are the building blocks to peptides and proteins, both of which either carry out almost all the processes of the body, or message for the processes to take place. They are therefore natural to the body and bio-active.

WHY IT'S INCLUDED

Peptides support the body in re-optimizing those processes which slow down with age. The bio-activity and bio-identical nature of peptides provide almost instant results to the body. It allows a product to work directly with the most magnificent machine that will ever be, the human body.

THE FACTS

Amino acids and peptides are natural to the body. Peptides can generate a response and work directly with the body. No other active shares this close a relationship or is as natural to the body. Every function within your body or in your skin utilizes Peptides in some way.

BENEFITS

- 100% active
- Immediate response
- Specific Results
- 100% Bio-identical

FOR MORE INFORMATION

- Peptides an International Journal at www.journals.elsevier.com/peptides
- U.S. National Library of Medicine at www.nlm.nih.gov
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Xanthan Gum

WHAT IS IT

Xanthan Gum is a natural polysaccharide (sugar).

WHY IT'S INCLUDED

It is a natural thickener and emulsifier.

THE FACTS

Xanthan gum is a polysaccharide formed naturally from the organism *xanthomonas campestris*. It is used in personal care products as a thickener.

BENEFITS

- Natural
- Environmentally Sustainable

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Diazolidinyl Urea

WHAT IS IT

Diazolidinyl Urea is a safe and effective preservative that is very active against bacteria and used as a replacement for parabens in cosmetic formulations. This preservative is considered safe for use in amounts up to 0.5% but is found well below that amount in our formulations.

WHY IT'S INCLUDED

It is an excellent preservative that is very effective against bacteria. Preservatives are essential in maintaining the integrity of cosmetic formulations as they help inhibit the growth of bacteria and fungi. Viktoria De'Ann follows all CIR (Cosmetic Ingredient Review Board) recommended usage and concentration guidelines.

THE FACTS

Reports have suggested this preservative to be both toxic and carcinogenic due to the fact it can release formaldehyde in minimal amounts over time.

The Cosmetic Ingredient Review (CIR) Board evaluated and re-evaluated it in 2006 with all available data on (Diazolidinyl Urea) and concluded it as safe to use in cosmetic products at a maximum concentration of 0.5%. Their studies demonstrated it to be neither toxic nor photo-sensitizing.RIPT (Repeat Insult Patch Tests) sensitization studies using products at concentrations up to 0.4% on normal subjects showed essentially no irritation. One interesting point about formaldehyde is that it is produced naturally in our bodies as part of our everyday metabolism. It is found in all cells and is a normal component of human blood. Formaldehyde is an intermediate chemical in the body and serves as a building block for the biosynthesis of more complicated molecules. Due to its natural presence in our metabolic cycle, formaldehyde can be metabolized very quickly. This is important as many fruits and vegetables contain or release formaldehyde. Some examples include apples, brussel sprouts, and cabbage.

BENEFITS

- Preserved and protected from bacterial contamination

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Iodopropynyl Butylcarbamate

WHAT IS IT

Iodopropynyl Butylcarbamate is a safe and effective preservative that is very active against fungi and used as a replacement for parabens in cosmetic formulations. This preservative is considered safe for use in amounts up to 0.1% but is found well below that amount in our formulations.

WHY IT'S INCLUDED

It is an excellent preservative that is very effective against fungi. Preservatives are essential in maintaining the integrity of cosmetic formulations as they help inhibit the growth of bacteria and fungi and keep the product safe. Viktoria De'Ann follows all CIR (Cosmetic Ingredient Review Board) recommended usage and concentration guidelines. Iodopropynyl Butylcarbamate is a nonformaldehyde donor.

THE FACTS

The Cosmetic Ingredient Review (CIR) Board evaluated the available data on this ingredient and concluded it as safe to use in cosmetic products.

BENEFITS

- . Preserved and Protected from fungi contamination
- . Non-formaldehyde donor

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Salicylic Acid

WHAT IS IT

Salicylic Acid is a beta hydroxy acid (BHA) found in plants, most notably the willow tree in which acetylsalicylic acid (aspirin) was first discovered.

WHY IT'S INCLUDED

For decades dermatologists have prescribed salicylic acid as an exfoliant and anti-irritant. Secondly, it was discovered that salicylic acid has antimicrobial properties and has been approved for OTC treatment of acne breakouts.

THE FACTS

Salicylic Acid is most well-known for its exfoliating, anti-irritant, and acne treatment properties. It has also been documented that it can improve barrier function, collagen production, and skin thickness.

BENEFITS

- Exfoliant
- Anti-irritant
- Antimicrobial properties
- Collagen Production

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Sodium Borate

WHAT IS IT

Sodium Borate is a mineral salt of boric acid.

WHY IT'S INCLUDED

It is used in cosmetics as a pH adjuster or antimicrobial agent.

BENEFITS

- pH adjuster
- antimicrobial

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Caffeine

WHAT IS IT

Caffeine is an alkaloid that is found in the leaves, seeds, and fruit of some plants. It is most commonly found in coffee. It is classified by the FDA as generally recognized as safe (GRAS).

WHY IT'S INCLUDED

Caffeine can aid in the penetration of actives and increase microcirculation of blood in the skin. This is exceedingly important when targeting periorbital puffiness and dark circles under the eye where fluid accumulation may have occurred. Caffeine is also an antioxidant which helps stop further oxidative damage from environmental factors.

BENEFITS

- Microcirculation
- Aids Penetration
- Antioxidant
- Anti-cellulite

FOR MORE INFORMATION

- Caffeine's Mechanisms of Action and its Cosmetic Use www.karger.com/Article/FullText/343174
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Oleth-20 PEG-60 Almond Glycerides

WHAT IS IT

PEG-60 Almond Glyceride is a polyethylene glycol derivative of the fatty acids from almond oil.

WHY IT'S INCLUDED

Almond oil contains essential fatty acids and is packed with antioxidants including vitamin E. They act as an emollient and counter-irritant to the skin.

BENEFITS

- Soothing to skin
- Essential fatty acids
- Essential minerals
- Counter-irritant

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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PEG-150 Pentaerythrityl Tetrastearate

WHAT IS IT

Pentaerythrityl Tetrastearate is a tetraester of stearic acid. It is a waxy solid partially derived from coconut oil.

WHY IT'S INCLUDED

Primarily functioning as a thickener, pentaerythrityl tetrastearate also is an excellent counter-irritant.

BENEFITS

- Thickener
- Counter-irritant

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Soluble Collagen

WHAT IS IT

Soluble Collagen is collagen (a large protein molecule) that has been broken down into much smaller fragments. Collagen is found in connective tissue throughout the bodies of human and animals. In skin, it is the structural support.

WHY IT'S INCLUDED

Collagen is made up three polypeptide strands. These peptides are made from amino acids. Therefore when you break collagen down, you end up with smaller fragments of amino acids. These amino acids are hydrophilic (water-loving) and provide excellent moisture to the skin surface.

BENEFITS

- Excellent Moisturization

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Niacinamide (B3)

WHAT IS IT

Niacinamide is known as Vitamin B3 or nicotinamide. Vitamin B3 is found in plants and animals. It is on the World Health Organization's List of Essential Medicines, a list of the most important medications.

WHY IT'S INCLUDED

Vitamin B3 is essential for metabolic pathways in mitochondrial respiration and aging. It is a crucial component for energy production in cells. When the proper amount of energy is produced, cells divide and function correctly. Healthy cells can improve the skin's tone, texture, elasticity, and overall appearance. A lack of Vitamin B3 can lead to DNA damage by compromising the repair process of DNA.

BENEFITS

- Energy for cells
- Supports Healthy skin cells
- Younger looking skin

FOR MORE INFORMATION

- World Health Organization at www.who.int/medicines/publications/essentialmedicines/en/
- University of Maryland Medical Center at umm.edu/health/medical/altmed/supplement/vitamin-b3-niacin
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Acetamidopropyl Trimonium Chloride

WHAT IS IT

Acetamidopropyl Trimonium Chloride is derived from vegetables and is composed of ethanolamide derivatives with excellent humectant properties.

WHY IT'S INCLUDED

Humectants are a class of hygroscopic materials that act to provide both water absorption and water retention. This twofold moisturizing effect allows them to prevent the loss of moisture from the skin, as well as attract moisture from the environment.

BENEFITS

- Moisturization
- Skin Homeostasis

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Camellia Sinensis Leaf Extract (White Tea Extract)

WHAT IS IT

Camellia Sinensis Leaf Extract is the extract of white tea leaves, specifically the tea buds and youngest tea leaves of the plant. White tea is the purest and least processed of all teas.

WHY IT'S INCLUDED

White tea leaves contain the most antioxidants compared to green or black tea leaves. A specific group of antioxidants known as polyphenols has been shown to reduce cholesterol, decrease blood pressure, improve circulation and can even protect against certain types of cancer.

BENEFITS

- Super antioxidant
- Supports Health

FOR MORE INFORMATION

- National Cancer Institute at www.cancer.gov/cancertopics/factsheet/prevention/tea
- WebMD at www.webmd.com/diet/features/tea-types-and-their-health-benefits
- Pacific College of Oriental Medicine at www.pacificcollege.edu/acupuncture-massage-news/articles/532-health-benefits-of-white-tea.html
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Pyridoxine (B6)

WHAT IS IT

Pyridoxine is Vitamin B6. It is on the World Health Organization's List of Essential Medicines, a list of the most important medications.

WHY IT'S INCLUDED

B6 is an essential part of the B-complex group of vitamins. It is found throughout the body carrying on numerous critical roles. It is necessary for the production of neurotransmitters, DNA repair, hormone production, and energy production (ATP). When the proper amount of energy is produced, cells divide and function correctly. Healthy cells can improve the skin's tone, texture, elasticity, and overall appearance. A deficiency of Vitamin B6 has been associated with heart disease, stroke, and cancer.

BENEFITS

- Energy for cells
- Supports Healthy skin cells
- Younger looking skin

FOR MORE INFORMATION

- World Health Organization at www.who.int/medicines/publications/essentialmedicines/en/
- University of Maryland Medical Center at umm.edu/health/medical/altmed/supplement/vitamin-b6-pyridoxine
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Pantothenic Acid (B5)

WHAT IS IT

Pantothenic Acid is Vitamin B5 and is one of the B complex vitamins.

WHY IT'S INCLUDED

B5 is an essential part of the B-complex group of vitamins. It is necessary for the production of hormones, blood cells, and energy production (ATP). When the proper amount of energy is produced, cells divide and function correctly. Healthy cells can improve the skin's tone, texture, elasticity, and overall appearance.

BENEFITS

- Energy for cells
- Supports Healthy skin cells
- Younger looking skin

FOR MORE INFORMATION

- University of Maryland Medical Center at umm.edu/health/medical-reference-guide/complementary-and-alternative-medicine-guide/supplement/vitamin-b5-pantothenic-acid
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Propylene Glycol

WHAT IS IT

Propylene Glycol is a transparent colorless organic compound. It has been used in cosmetics, pharmaceuticals, and as a food additive for more than 50 years.

WHY IT'S INCLUDED

This ingredient is time-tested as a safe hygroscopic (attracts/holds water) ingredient for cosmetics.

THE FACTS

Propylene glycol is Generally Regarded As Safe (GRAS) by the FDA and also listed in the United States Pharmacopoeia as an ingredient for pharmaceutical products. It has also been assessed by the CIR Expert Panel and concluded that Propylene Glycol is safe for use in cosmetic products at concentrations up to 50%. Viktoria De'Ann products that do contain propylene glycol are closer to a concentration around 0.5-2%, well below the approved level. The National Toxicology Program's (NTP) Center for the Evaluation of Risk to Human Reproduction (CERHR) concluded there is "negligible concern for reproductive or developmental toxicity to humans." We have found that misconceptions about propylene glycol are based on inaccurate information caused by confusing it with another ingredient, ethylene glycol. Ethylene glycol is toxic and was widely used as automobile antifreeze.

BENEFITS

- Hygroscopic
- High Purity
- Aids in skin homeostasis by supporting a proper water lipid balance

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Phenoxyethanol

WHAT IS IT

Phenoxyethanol is a common cosmetic preservative used as a replacement for parabens in formulations. It is very active against bacteria and approved worldwide for use in cosmetics.

WHY IT'S INCLUDED

It is an excellent preservative that is effective against bacteria, fungi, and mold. Both the European Union and Japan, usually the most stringent, have approved its use in cosmetics. Phenoxyethanol is a non-formaldehyde donor.

THE FACTS

Phenoxyethanol is Generally Regarded As Safe (GRAS) by the FDA. It has been assessed by the CIR Expert Panel and concluded that Propylene Glycol is safe for use in cosmetic products at concentrations up to 1%. Viktoria De'Ann products that do contain Phenoxyethanol are always well below the approved level. Phenoxyethanol can be found naturally in green tea; it was classified as an organic ingredient for some time. The cost of production prohibits its production in this manner so synthetic means are necessary for phenoxyethanol production, and therefore it is no longer a certified organic ingredient.

BENEFITS

- Preserved and Protection from bacteria
- Non-formaldehyde donor

FOR MORE INFORMATION

- International Journal of Toxicology at ijt.sagepub.com/content/9/2/259.abstract
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Mineral Oil

WHAT IS IT

Mineral oil is a clear, colorless, odorless oil derived from petroleum. It is made of two types of atoms, carbon, and hydrogen. Mineral oil comes in many different grades, from Vaseline (the most familiar) to lighter grades such as baby oil.

WHY IT'S INCLUDED

Cosmetics-grade mineral oil and petrolatum are considered the safest, most nonirritating moisturizing ingredients ever found. It is also among the most effective moisturizing ingredients available.

THE FACTS

Despite mineral oil's association with petroleum and the hype that it is bad for skin, keep in mind that petroleum is a natural ingredient derived from the earth and that once it becomes mineral oil USP (cosmetics- and pharmaceutical-grade mineral oil), it has no resemblance to the original petroleum. It is considered relatively inert (chemically inactive). This is beneficial in that mineral oil can form barriers on the skin which will slow down the loss of moisture and allow the skin to rehydrate very quickly.

Although we do not see a reactive or negative side to mineral oil, we are pursuing a better alternative with less occlusive attributes. Mineral oil is only used in Night Moisturizer and will be replaced in the near future.

BENEFITS

- Protects
- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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White Tea Extract

WHAT IS IT

Fragrance is an extract or chemical to produce an aroma in cosmetic formulations.

WHY IT'S INCLUDED

The only product with fragrance is PEPTI-eye serum. It is formulated with a white tea (*Camellia Sinensis*) extract.

BENEFITS

- Aroma

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Disodium EDTA

WHAT IS IT

Disodium ethylenediaminetetraacetic acid (EDTA) is a chelator. Meaning it is a molecule that binds to another molecule.

WHY IT'S INCLUDED

It is an excellent chelator. It binds to minerals, in cosmetic formulations, which are necessary components for the growth of mold. In essence, it is a type of preservative, in this case against molds.

THE FACTS

EDTA is also used for chelation therapy and is approved by the FDA as a treatment for lead, mercury, and other heavy metal poisoning. During chelation therapy, EDTA solution is administered intravenously. It is also being studied as a therapy for heart disease.

BENEFITS

- Preservative for mold

FOR MORE INFORMATION

- The American Heart Association at my.americanheart.org/idc/groups/ahamah-public/@wcm/@sop/@scon/documents/downloadable/ucm_446204.pdf
- The National Center for Complementary and Alternative Medicine at nccam.nih.gov/health/chelation
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Stearic Acid

WHAT IS IT

Stearic Acid is a fatty acid used as an emollient in cosmetic formulations. It is one of the most common saturated fatty acids found in nature.

WHY IT'S INCLUDED

It increases the skin's hydration by reducing evaporation making external layers softer.

BENEFITS

- Emollient
- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Cocos Nucifera (Coconut) Oil

WHAT IS IT

Coconut oil is a saturated fat produced by crushing copra from the coconut tree. There is early evidence of coconut oil being used around the 1st century AD.

WHY IT'S INCLUDED

Coconut oil is composed of Medium Chain Triglycerides (MCT) that have been found to be highly beneficial to the body. Being so beneficial they are fed to newborn babies and chronically sick patients to help them recover. Additionally, there is an abundance of antioxidants and beneficial fatty acids.

BENEFITS

- Moisturizing
- Antioxidant
- Minerals

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Glyceryl Stearate

WHAT IS IT

Glyceryl Stearate is an emulsifier made from vegetable oil. It is a renewable resource and easily metabolized by the body.

WHY IT'S INCLUDED

It is a type of emulsifier, which are used in cosmetics to promote the formation and stabilization of an emulsion (cream). It is a renewable resource that is non-toxic and biodegradable. It is quickly metabolized within the body and is a fundamental process which is taking place within cells right at this moment.

BENEFITS

- Emulsifier
- Biodegradable
- Easily metabolized
- Renewable
- Non-toxic

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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PEG-100 Stearate

WHAT IS IT

PEG-100 Stearate is an emulsifier made by combining coconut oil with Stearic Acid.

WHY IT'S INCLUDED

It is a type of emulsifier, which are used in cosmetics to promote the formation and stabilization of an emulsion (cream). It increases the skin's hydration by reducing evaporation making external layers softer.

BENEFITS

- Emulsifier
- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Butylene Glycol

WHAT IS IT

Butylene Glycol is a clear colorless humectant. It is used in cosmetics, pharmaceuticals, and as a food additive.

WHY IT'S INCLUDED

This ingredient is time-tested as a safe hygroscopic (attracts/holds water) ingredient for cosmetics.

THE FACTS

Butylene glycol is Generally Regarded As Safe (GRAS) by the FDA. It has also been assessed by the CIR Expert Panel and concluded that Propylene Glycol is safe for use in cosmetic products. We have found that misconceptions about propylene glycol are based on inaccurate information caused by confusing it with another ingredient, ethylene glycol. Ethylene glycol is toxic and was widely used as automobile antifreeze.

BENEFITS

- Hygroscopic
- High Purity
- Aids in skin homeostasis by supporting a proper water lipid balance

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Cetyl Alcohol

WHAT IS IT

Cetyl Alcohol is a fatty alcohol used as an emollient in cosmetic formulations. It is derived naturally from coconut oil.

WHY IT'S INCLUDED

It is an emollient that increases the skin's hydration by reducing evaporation making external layers softer. Being derived from coconuts, it is also a renewable resource.

BENEFITS

- Emollient
- Moisturizing
- Renewable

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Tocopheryl Acetate

WHAT IS IT

Tocopheryl Acetate is known as Vitamin E acetate.

WHY IT'S INCLUDED

Vitamin E is well known for its superior anti-oxidant properties. It helps neutralize the damaging free radicals and protects against premature aging.

BENEFITS

- Super Antioxidant

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Allantoin

WHAT IS IT

Allantoin is a natural chemical compound that comes from the extracts of the comfrey plant.

WHY IT'S INCLUDED

Allantoin is a safe, non-toxic chemical known for its soothing, healing, and keratolytic effect (ability to remove excess skin). It has also been shown to promote cell proliferation and wound healing, promoting cell proliferation and wound healing; and a soothing, anti-irritant, and skin protectant effect by forming complexes with irritant and sensitizing agents.

BENEFITS

- Emollient
- Moisturizing

FOR MORE INFORMATION

- National Center for Biotechnology Information at www.scielo.br/scielo.php?script=sci_arttext&pid=S0102-86502010000500014&lng=en&nrm=iso&tlng=en
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Glycol Stearate

WHAT IS IT

Glycol Stearate is an emollient derived from plant sources like cocoa butter and shea butter. Its primary use is in skin and hair care products.

WHY IT'S INCLUDED

It increases the skin's hydration by reducing evaporation making external layers softer. It has the ability to smooth and soften skin.

BENEFITS

- Emollient
- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Aminomethyl Propanol

WHAT IS IT

Aminomethyl Propanol is an alkanolamine.

WHY IT'S INCLUDED

It is a pH adjuster for cosmetics at concentrations less than 1%.

BENEFITS

- Proper pH for skin

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Sodium Lauryl Glucose Carboxylate

WHAT IS IT

Sodium Lauryl Glucose Carboxylate is a milder sulfate-free surfactant that replaces Sodium Lauryl Sulfate. A surfactant removes dirt by surrounding dirt particles to loosen them from the surface they are attached to, so they can be rinsed away.

WHY IT'S INCLUDED

It is a milder sulfate-free surfactant that leaves the skin clean without the dry feel of other cleansers containing sodium lauryl sulfate.

BENEFITS

- Surfactant (cleanser)
- Mild
- Sulfate free

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Lauryl Glucoside

WHAT IS IT

Lauryl Glucoside is a milder sulfate-free surfactant that replaces Sodium Lauryl Sulfate. A surfactant removes dirt by surrounding dirt particles to loosen them from the surface they are attached to, so they can be rinsed away.

WHY IT'S INCLUDED

It is a milder sulfate-free surfactant that leaves the skin clean without the dry feel of other cleansers containing Sodium Lauryl Sulfate.

BENEFITS

- Surfactant (cleanser)
- Mild
- Sulfate free

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Cocamidopropyl Betaine

WHAT IS IT

Cocamidopropyl Betaine is a mild surfactant derived from coconut oil.

WHY IT'S INCLUDED

It is a mild surfactant for cleansing.

BENEFITS

- Surfactant/Cleansing
- Mild

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Acrylates Copolymer

WHAT IS IT

Acrylates Copolymer is a polymer consisting of two or more monomers.

WHY IT'S INCLUDED

It is a thickener that improves the texture and helps maintain a gel-like structure.

BENEFITS

- Thickener

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Olive Oil PEG-7 Glyceryl Cocoate

WHAT IS IT

Olive Oil PEG-7 Glyceryl Cocoate is a water-soluble lipid derived from a unique Olive Oil technology from Italy.

WHY IT'S INCLUDED

It provides mildness, given its natural affinity for human skin, and helps protect skin from delipidation (the stripping of all fats, oils, and natural moisturizing factors from skin) and irritation.

BENEFITS

- Emollient
- Made from Olive Oil
- Mild
- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Triethanolamine

WHAT IS IT

Triethanolamine (TEA) is a tertiary amine used to pH balance cosmetic formulations.

WHY IT'S INCLUDED

It is used in adjusting the pH of a cosmetic formula and is completely biodegradable. We use pH adjusters to make sure each formula is customized for optimal performance as well as maximum shelf life. Being a pH balancing ingredient, very little (less than 1%) is used in our formulations. Beyond being a cosmetic ingredient, the FDA includes TEA on its list of food additives, which means TEA may be used in contact with food to assist in the washing or peeling of fruits and vegetables.

BENEFITS

- pH Balancer

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Methylisothiazolinone

Methylchloroisothiazolinone

WHAT IS IT

Methylisothiazolinone is a preservative system.

WHY IT'S INCLUDED

It is used for controlling microbial growth to maintain product quality and performance over time.

BENEFITS

- Preservative

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Lactic Acid

WHAT IS IT

Lactic acid is an alpha hydroxyl acid (AHA) produced by the body, bacteria, animals, plants and even found in milk.

WHY IT'S INCLUDED

AHAs have been shown to treat conditions like acne, UV damage, wrinkling and help to smooth skin. They do this by interacting directly with membrane proteins of skin cells. This interaction is seen by the exfoliating (keratolytic) properties of lactic acid. As keratolytics, they help to slough off dead skin cells from the outer surface of the skin to reveal healthier cells below. Lactic acid is approved by the FDA to be used as a food additive and in the medical and pharmaceutical industries as a starting point for compounds.

BENEFITS

- Exfoliant
- Collagen and elastin booster
- Visibly healthier younger skin
- Helps lighten UV damage
- Improves skin texture
- Reduce the appearance of wrinkles

FOR MORE INFORMATION

- Journal of Biological Chemistry at phys.org/news/2012-08-cellular-basis-anti-aging-costmetics.html
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Ascorbic Acid

WHAT IS IT

Ascorbic Acid, commonly known as vitamin C, is a nutrient that is vital to all life. Most other animals and plants make their vitamin C from within, whereas we must consume it in foods.

WHY IT'S INCLUDED

Vitamin C plays a vital role in neutralizing free radicals, preventing scurvy, and even cancer. Vitamin C is a super antioxidant which prevents oxidation of the body's cells. Clinical studies have shown that applying skin care products with ascorbic acid helps to boost collagen levels in the tissue.

BENEFITS

- Super Antioxidant
- Stimulates Collagen Production
- Vital Nutrient

FOR MORE INFORMATION

- American Cancer Society at www.cancer.org/treatment/treatmentsandsideeffects/complementaryandalternativemedicine/herbsvitaminsandminerals/vitamin-c
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Polyacrylamidomethylpropane Sulfonic Acid

WHAT IS IT

Polyacrylamidomethylpropane Sulfonic Acid is a polymer.

WHY IT'S INCLUDED

It is used as a thickener.

BENEFITS

- Thickener

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Polyquaternium-4

WHAT IS IT

Polyquaternium is a polycationic polymer.

WHY IT'S INCLUDED

It is used to thicken cosmetic formulas.

BENEFITS

- Thickener

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Ethylhexyl Palmitate

WHAT IS IT

Ethylhexyl Palmitate is an ester derived from coconut or palm oil.

WHY IT'S INCLUDED

It is an ultra-mild skin smoothing ester that can act as an organic replacement for silicone in some formulations. It increases the skin's hydration by reducing evaporation making external layers softer. It has the ability to smooth and soften skin.

BENEFITS

- Emollient

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Aloe Barbadensis Leaf Juice

WHAT IS IT

Aloe Barbadensis Leaf Juice is the extract from the Aloe Vera plant.

WHY IT'S INCLUDED

It is an organic extract providing excellent nutrients and moisturization to the skin. Aloe has been used as an herbal medicine for centuries.

BENEFITS

- Moisturizing
- Soothing
- Nourishing
- Therapeutic
- Antimicrobial Activity

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Hydrogenated Polyisobutene

WHAT IS IT

Hydrogenated Polyisobutene is a mineral oil substitute.

WHY IT'S INCLUDED

It is FDA and CIR approved for use in Cosmetics. It increases the skin's hydration by reducing evaporation making external layers softer. It has the ability to smooth and soften skin.

BENEFITS

- Emollient

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Disodium Oleamido PEG-2 Sulfosuccinate

WHAT IS IT

Disodium Oleamido PEG-2 Sulfosuccinate is a surfactant that is an ester of sodium salt.

WHY IT'S INCLUDED

It is a very mild surfactant, providing cleansing properties while not stripping the skin of essential oils. It is also biodegradable.

BENEFITS

- Very Mild
- Cleansing
- Biodegradable

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Dimethicone

WHAT IS IT

Dimethicone is a silicone that can be found throughout personal care products as well as medical applications.

WHY IT'S INCLUDED

It smoothly coats the surface of the skin and acts as an emollient by increasing the skin's hydration by reducing evaporation making external layers softer. It also allows the skin to 'breathe,' while also protecting it from outside environmental elements.

BENEFITS

- Emollient
- Protection

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Cetearyl Alcohol

WHAT IS IT

Cetearyl Alcohol, also known as cetostearyl alcohol, is an emollient that consists of a combination of cetyl and stearyl alcohols.

WHY IT'S INCLUDED

Cetearyl Alcohol's emollient properties increase the skin's hydration by reducing evaporation and softening the external layers of the epidermis. Both cetyl and stearyl alcohols are derived from plants and animals.

BENEFITS

- Emollient
- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Tocopheryl Linoleate

WHAT IS IT

Tocopheryl Linoleate is an ester of Tocopheryl. One well-known ester of Tocopheryl is Vitamin E which is Tocopheryl Acetate.

WHY IT'S INCLUDED

Excellent antioxidant properties

BENEFITS

- Antioxidant

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Retinyl Acetate

WHAT IS IT

Retinyl Acetate is a natural form of vitamin A which is the acetate ester of retinol.

WHY IT'S INCLUDED

Vitamin A is a critical component in many of the processes in the body such as growth, vision, and brain development. In general, it provides anti-oxidant properties to the skin. Retinol has been shown to stimulate collagen, treat acne, and help repair sun-damaged skin.

BENEFITS

- Antioxidant
- Stimulate Collagen
- Treat acne
- Repair Sun Damage

FOR MORE INFORMATION

- Mayo Clinic at www.mayoclinic.org/drugs-supplements/vitamin-a/evidence/hrb-20060201
- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Zea Mays (Corn) Starch

WHAT IS IT

Zea Mays Starch is a fine silken powder corn starch milled from maize, a corn native to Central America.

WHY IT'S INCLUDED

It is used as a thickener for creams. It is an organic, renewable, and biodegradable ingredient made from corn.

BENEFITS

- Thickener
- Biodegradable
- Renewable

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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PEG-2 Stearate

WHAT IS IT

Stearates are the esters and salts of stearic acid, found naturally in animal and vegetable fats. PEG-2 Stearate is an ester of polyethylene glycol and stearic acid. It can be formed by other esters with stearic acid as well, often, natural oils such as palm or coconut oil.

WHY IT'S INCLUDED

It is a viscosity modifier and emulsifier. Emulsifiers help water and oils mix together in order form creams. In addition to it being used broadly in cosmetics, the FDA has also approved it as an indirect food additive.

BENEFITS

- Emulsifier

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Ceteareth-25

WHAT IS IT

Ceteareth-25 is a fatty alcohol. Ceteareths are made from cetearyl alcohol, a blend of cetyl and stearyl alcohol, which are natural fatty acids from coconut oil and ethylene oxide.

WHY IT'S INCLUDED

Ceteareths, derived from coconut oil, are excellent emulsifiers. They help bind ingredients together and keep a formula from separating. Being an emollient, it also increases the skin's hydration by reducing evaporation making external layers softer.

BENEFITS

- Emollient
- Emulsifier

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Sodium Lactate

WHAT IS IT

Sodium Lactate is the sodium salt of lactic acid.

WHY IT'S INCLUDED

See Lactic Acid.

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Sorbitol

WHAT IS IT

Sorbitol is a sugar alcohol humectant derived from natural sources such as corn, apples, pears, peaches, prunes, and berries.

WHY IT'S INCLUDED

As a humectant, it draws water from the environment to the surface of the skin.

BENEFITS

- Humectant
- Renewable

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Lauryl Aminopropyl-glycine Lauryl Diethylenediamine-glycine

WHAT IS IT

Lauryl Aminopropyl-glycine and Laurel Diethylenediamine-glycine are surfactants synthesized from vegetables.

WHY IT'S INCLUDED

They are mild surfactants and emulsifiers synthesized from renewable resources. Emulsifiers help bind ingredients together and keep a formula from separating.

BENEFITS

- Mild Surfactant
- Emulsifier
- Renewable Resource

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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TEA-Lactate

WHAT IS IT

See Triethanolamine and Lactic Acid

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Quercus Robur Extract

WHAT IS IT

Quercus Robur Extract is a certified organic natural oak polyphenol concentrated extract from the heartwood of French oak.

WHY IT'S INCLUDED

The polyphenols provide antioxidant properties, providing cosmetic formulations with protection from photo-aging, free radicals, and environmental factors. This extract is used in formulations for products designed to offer anti-aging effects, sensitive skin care, and sun care. It is ECOCERT approved and can be in certified organic products.

BENEFITS

- Antioxidant
- Moisturizing
- Anti-inflammatory

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Corylus Avellana

WHAT IS IT

Corylus Avellana, also known as hazelnut oil is a transparent liquid that is the first cold pressing oil obtained from the fruits of corylus avellana.

WHY IT'S INCLUDED

Hazelnut oil is suitable for all skin types and is rich in nutrients such as vitamin E, thiamine, vitamin B6, calcium, vitamin A and minerals. It contains skin barrier repairing activity which can improve skin's moisture, smoothness, and flexibility; along with, anti-oxidant activity.

BENEFITS

- Antioxidant
- Provides Nutrients
- Smooths and Softens skin

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Cetyl Ethylhexanoate

WHAT IS IT

Cetyl Ethylhexanoate is an emollient that is an ester of cetyl alcohol.

WHY IT'S INCLUDED

It increases the skin's hydration by reducing evaporation making external layers softer.

BENEFITS

- Emollient
- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Isopropyl Palmitate

WHAT IS IT

Isopropyl Palmitate is an emollient that is an ester of palmitic acid.

WHY IT'S INCLUDED

Emollients increase the skin's hydration by reducing evaporation making external layers softer.

BENEFITS

- Emollient
- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Ethylhexyl Methoxycinnamate

WHAT IS IT

Ethylhexyl Methoxycinnamate is an organic sunscreen agent used as a UV-B filter.

WHY IT'S INCLUDED

It is used to protect skin from the sun's UVB rays.

BENEFITS

- UV Protection

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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BHT

WHAT IS IT

BHT (Butylated hydroxytoluene) is an antioxidant.

WHY IT'S INCLUDED

BHT is an antioxidant approved by the FDA as a food additive.

BENEFITS

- Antioxidant

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Glycereth-5 Lactate

WHAT IS IT

Glycereth-5 Lactate is the ester of lactic acid with glycerin.

WHY IT'S INCLUDED

It increases the skin's hydration by reducing evaporation making external layers softer.

BENEFITS

- Emollient
- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Acrylates/C10-30 Alkyl Acrylate Crosspolymer

WHAT IS IT

Acrylates are polymers formed from esters of acrylic acid. Polymers are used in cosmetics as thickeners.

WHY IT'S INCLUDED

It thickens cosmetic formulations.

BENEFITS

- Thickener

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Di-PPG-2 Myreth-10 Adipate

WHAT IS IT

Di-PPG-2 Myreth Adipate is a skin conditioner derived from myristyl alcohol and adipic acid.

WHY IT'S INCLUDED

It is used for its skin conditioning properties.

BENEFITS

- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Isostearamidopropyl Morpholine Lactate

WHAT IS IT

Isostearamidopropyl Morpholine Lactate is a non-ionic surfactant.

WHY IT'S INCLUDED

A surfactant removes dirt by surrounding dirt particles to loosen them from the surface they are attached to, so they can be rinsed away.

BENEFITS

- Emollient
- Moisturizing

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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Jojoba Wax PEG-80 Esters

WHAT IS IT

Jojoba Wax PEG-80 Esters is an ester from jojoba oil which provides water-soluble jojoba emollient for cosmetic formulations.

WHY IT'S INCLUDED

Emollients increase the skin's hydration by reducing evaporation making external layers softer. Jojoba oil mimics the natural lipids of the skin and thought to trick the skin into thinking it is producing enough oil, which can help balance oil production. The balance of oil production is essential in both moisturization and acne treatments. Jojoba also provides antioxidants like vitamin E and is entirely biodegradable.

BENEFITS

- Emollient
- Moisturizing
- Antioxidants
- Biodegradable

FOR MORE INFORMATION

- Cosmetic Ingredient Review Board at www.cir-safety.org
- Cosmetic, Toiletry and Fragrance Association at www.ctfa.org
- U.S. Food and Drug Administration at www.fda.gov

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