

Connecting**Chemistry**



PERSONAL CARE NORTH AMERICA

Natural Products Guide

NATURAL CERTIFICATIONS

Our Natural Product Guide highlights various grades of natural and naturally-derived materials within our ingredient portfolio. For certified grades, such as USDA Organic, COSMOS, Fair Trade Certified, or OMRI Listed, please consult your sales professional to ensure you receive the appropriate materials for your development requirements.



USDA ORGANIC – NATIONAL ORGANIC PROGRAM

Personal care and cosmetic products marketed under this standard of USDA Organic must meet the agricultural requirements for organic ingredients, production, handling, and processing.

- **100 Percent Organic** – all ingredients (excluding water and salt) must be organically produced.
- **Organic** – At least 95 percent of the ingredients (excluding water and salt) must be organically produced. The remaining ingredients must consist of approved nonagricultural substances or non-organically produced agricultural products that are not commercially available in organic form.

Learn more by visiting www.usda.gov.



COSMOS – COSMETIC ORGANIC STANDARD

COSMETIC Organic Standard (COSMOS) is a Europe-wide private standard. It was developed to harmonize organic and natural standards. The founding certification organizations include BDIH (Germany), Cosmebio (France), Ecocert Greenlife (France), ICEA (Italy), and Soil Association (United Kingdom).

Certified materials and products may display “COSMOS” in addition to their respective certification logos. COSMOS-standard for cosmetic ingredients includes:

- **Physically processed agro-ingredients** – plant, animal or microbial origin (no GMOs or endangered species; only products of (not a part of) animals)
- **Chemically processed agro-ingredients** – same as above; chemical treatments complying with strict limitations of toxicity and biodegradability
- **Water** – comply with hygienic standards
- **Minerals and ingredients of mineral origin** – natural origin; may be modified with simple chemical reactions
- **Other ingredients** – very limited list of preservatives and other materials (subject to regular review); taking into account availability of acceptable alternatives

Learn more by visiting www.cosmos-standard.org.



FAIR TRADE CERTIFIED

Fair Trade goods are just that. Fair. From far-away farms to your shopping cart, products that bear our logo come from farmers and workers who are justly compensated. We help farmers in developing countries build sustainable businesses that positively influence their communities. We're a nonprofit, but we don't do charity. Instead, we teach disadvantaged communities how to use the free market to their advantage. With Fair Trade USA, the money you spend on day-to-day goods can improve an entire community's day-to-day lives.

Environmental standards include:

- Protecting water resources and natural vegetation areas.
- Promoting agricultural diversification, erosion control, and no slash and burn.
- Restricting the use of pesticides and fertilizers.
- Banning use of genetically modified organisms (GMOs).
- Requiring proper management of waste, water and energy.

Learn more by visiting www.fairtradecertified.org.



OMRI LISTED®

The Organic Materials Review Institute (OMRI) supports organic integrity by developing clear information and guidance about materials, so that producers know which products are appropriate for organic operations. OMRI is a 501(c)(3) nonprofit organization that provides an independent review of products that are intended for use in certified organic production and processing. When companies apply, OMRI reviews their products against the organic standards.

Learn more by visiting www.omri.org.

FAIR TRADE PRACTICES

Suppliers, such as Textron, Southern Botanica, Oleon, Koster Keunen and Ashland follow fair trade practices and have established sustainability programs within their organizations. Such programs assure fair and equitable compensation to local producers and ensure proper agricultural resource management.

ACTIVES / BIOFUNCTIONALS

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Achromaxyl™ ISR	Water (and) Glycerin (and) Hydrolyzed Brassica Napus Seedcake Extract	Clinically proven to brighten skin and reduce the appearance of age spots	Ashland	Plant	
Actopontine YST™	Water (and) Glycerin (and) Hydrolyzed Yeast Protein	Designed to optimize skin matrix architecture; may enhance skin elasticity and density	Ashland	Fungi	
Aqua-Osmoline™	Water (and) Glycerin (and) Ceratonia Siliqua (Carob) Seed Extract	Targets water control for improved hydration	Ashland	Plant	 *
Avenacare™ Oat Beta Glucan	Beta-Glucan	Soothes skin and strengthens hair	Tate & Lyle	Plant	
Avenacare™ ECO Oat Beta Glucan	Beta-Glucan	Soothes skin and strengthens hair (non-Phenoxyethanol preservative)	Tate & Lyle	Plant	Eco-friendly preservative system
Blumilight™	Water (and) Butylene Glycol (and) Theobroma Cacao (Cocoa) Seed Extract	Protects from blue light stress	Ashland	Plant	
Capauxein™	Water (and) Glycerin (and) Hydrolyzed Corn Protein	Increases hair fullness	Ashland	Plant	
Chromafend™	Water (and) Glycerin (and) Hydrolyzed Linseed Extract	Aids in retention of natural hair color	Ashland	Plant	
Chronogen™ YST	Water (and) Glycerin (and) Hydrolyzed Yeast Protein	Anti-aging peptide that helps repair and preserve skin from UV damage	Ashland	Fungi	
Cotton Bloom™ 5S	Water (and) Glycerin (and) Hydrolyzed Cottonseed Extract (and) Trehalose (and) Glucose (and) Fructose (and) Sucrose (and) Inositol	Skin cocooning and cushioning; contributes to improvement of skin hydration	Ashland	Plant	
D'Orientine™ S	Caprylic/Capric Triglyceride (and) Phoenix Dactylifera (Date) Seed Extract	Clinically proven anti-wrinkle properties; Helps protect skin from environmental sources of aging	Ashland	Plant	
Dynachondrine™ ISR	Water (and) Glycerin (and) Hydrolyzed Soy Protein (and) Sodium Benzoate (and) Potassium Sorbate	Increases skin energy and reduces ROS; Helps slow premature aging	Ashland	Plant	
Dynagen™	Water (and) Glycerin (and) Hydrolyzed Yeast Protein	Perceivable benefits for stronger, thicker, healthier hair	Ashland	Fungi	
Ederline™ Oil S	Caprylic/Capric Triglyceride (and) Pyrus Malus (Apple) Seed Extract	Improves skin firmness; Reduces the appearance of wrinkles	Ashland	Plant	
Elixiance™	Propanediol (and) Water (and) Schinus Molle Extract	Pollution shielding, skin purifying and age perfecting benefits	Ashland	Plant	
Evoil® Carrot Light	Helianthus Annuus (Sunflower) Seed Oil (and) Beta-Carotene (and) Tocopherol	Helps to prevent the premature aging of the skin by absorbing free radicals	Textron	Plant	

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Evoil® Carrot Plus	Helianthus Annuus (Sunflower) Seed Oil (and) Beta-Carotene (and) Tocopherol	Helps to prevent the premature aging of the skin by absorbing free radicals	Textron	Plant	
GP4G BA™	Water (and) Artemia Extract	Energizes and helps protect skin from environmental stress	Ashland	Animal	
Harmoniance™	Nelumbo Nucifera (Lotus) Extract	Antioxidant, increases collagen, hydration, barrier function and tone	Ashland	Plant	
Heliostatine ISR™	Water (and) Glycerin (and) Pisum Sativum (Pea) Extract	Clinically proven tan enhancement effect for a healthy glow and radiance	Ashland	Plant	
Lipigenine™	Water (and) Glycerin (and) Linum Usitatissimum (Linseed) Seed Extract	May help skin enhance natural lipid synthesis and help normalize microflora balance; Supports a skin soothing effect	Ashland	Plant	
Marine Hydrolyzed Collagen LMW™	Water (and) Hydrolyzed Collagen	May help increase collagen I and III; May help boost hyaluronic acid	Ashland	Animal	
Natriance™ Brightener	Water (and) Glycerin (and) Hydrolyzed Yeast Protein	Helps improve skin radiance and luminosity; Reduces skin melanin	Ashland	Fungi	
Natriance™ Renovate	Water (and) Glycerin (and) Hydrolyzed Linseed Extract	Helps skin renovate its surface; Retexturizes skin and reduces flaws	Ashland	Plant	
Natriance™ Self-hydrate	Water (and) Propanediol (and) Pisum Sativum (Pea) Extract	Teaches skin self-moisturization; Enhances Hyaluronic Acid and other Glycosaminoglycans	Ashland	Plant	
Natriance™ Solar Defense	Water (and) Propanediol (and) Hydrolyzed Soy Protein	Helps limit cell damage from UVA-UVB exposure; Helps limit transepidermal water loss and skin barrier disruption after sun exposure	Ashland	Plant	
Natriance™ Wrinkle-less	Water (and) Glycerin (and) Hydrolyzed Corn Protein	Reduces the appearance of wrinkles; Helps skin appear smoother and firmer	Ashland	Plant	
Neoglycogen™	Dextrin	Helps boost the protective properties of the skin	Ashland	Plant	
Oleanoline™ IS	Olea Europaea (Olive) Fruit Oil (and) Olea Europaea (Olive) Leaf Extract	Detoxifies and clarifies skin and is clinically proven to improve the appearance of irritated skin	Ashland	Plant	
Orsirtine™ ISR	Water (and) Glycerin (and) Oryza Sativa (Rice) Extract	Helps promote long-term skin benefits and natural protection from environmental aggression	Ashland	Plant	
Oxygenated Glycerol Triesters D™	Oxidized Corn Oil	Helps improve scalp condition; Helps provide comfort and soothing properties	Ashland	Plant	
Perenityl™ OS	Caprylic/Capric Triglyceride (and) Pyrus Communis (Pear) Seed Extract	Wrinkle reduction and significant improvement in skin surface appearance	Ashland	Plant	

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Phytoneomatrix™	Water (and) Glycerin (and) Hydrolyzed Soybean Extract	New Matrix production: Pro-Collagen, Collagen I, Collagen III and Hyaluronic Acid	Ashland	Plant	
PhytoQuintescine ISR™	Water (and) Glycerin (and) Hydrolyzed Triticum Monococcum Seed Extract	Antioxidant, anti-aging; Helps protect skin from environmental stress	Ashland	Plant	
PhytoRNx Baobab™	Water (and) Glycerin (and) Hydrolyzed Adansonia Digitata Extract	Age defying and moisturization	Ashland	Plant	
Procataline™	Water (and) Glycerin (and) Pisum Sativum (Pea) Extract	Designed to help hair combat the effects of oxidative stress	Ashland	Plant	
Prolixir-ICE™	Water (and) Glycerin (and) Hydrolyzed Rice Protein	Designed to help skin age gracefully	Ashland	Plant	
Protectagen™	Water (and) Glycerin (and) Hydrolyzed Rice Protein	Mitigates stress and preserves hair growth capital	Ashland	Plant	
Puraloe™ Aloe Vera 707PC / Puraloe™ Aloe Vera 717PC	Aloe Barbadensis Leaf Juice Powder	Organic, sustainable, responsibly sourced; Nutrition-grade liquids can be adapted for Personal Care	Ashland	Plant	*
SeaStem™	Macrocystis Pyrifera (Kelp) Extract	Age-defying; helps protect skin from pollution and other external stressors; Improves skin hydration and barrier renewal functions	Ashland	Plant	
Serenityl™	Marsdenia Cundurango Bark Extract (and) Caprylic/Capric Triglyceride	Condurango extract for skin detoxination, oxygenation, and wellness	Ashland	Plant	
Signaline™ S	Olea Europaea (Olive) Fruit Oil (and) Simmondsia Chinensis (Jojoba) Seed Extract	Designed to improve and maintain youthful skin appearance; Optimizes skin regeneration	Ashland	Plant	
Supastim™	Propanediol (and) Water (and) Myrciaria Dubia Fruit Extract	Superfruit with high Vitamin C content; Helps ameliorate signs of skin fatigue, improves luminosity and evens out skin tone	Ashland	Plant	Follows biotrade and fair trade practices
Suberlift™ Lipophile	Ricinus Communis (Castor) Seed Oil (and) Zea Mays (Corn) Oil (and) Quercus Suber Bark Extract	Instant smoothing tensor that provides lift and firming to skin; Helps improve skin roughness	Ashland	Plant	
Survixyl RZ™	Water (and) Glycerin (and) Hydrolyzed Rice Protein	Helps boost the Stemness Recovery Complex; Improved appearance in skin and epidermal self-rejuvenation	Ashland	Plant	
Telosense™	Water (and) Glycerin (and) Hydrolyzed Yeast Protein (and) Hydrolyzed Soy Protein	Helps improve the appearance of the skin and reduce the appearance of wrinkles	Ashland	Plant	
Vegetal Ceramides BGG™	Butylene Glycol (and) Oryza Sativa (Rice) Bran Extract	Significantly improves skin moisturization; Helps protect skin from environmental aggression	Ashland	Plant	*

*Pending approval

CLAYS - KAOLIN AND ILLITE

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Color Clay® Cedrus	Illite	Oil absorber, mechanical cleanser; Natural coloring agent	Color Clay	Mineral	
Color Clay® Cocoa	Illite	Oil absorber, mechanical cleanser; Natural coloring agent	Color Clay	Mineral	
Color Clay® Corylus	Illite	Oil absorber, mechanical cleanser; Natural coloring agent	Color Clay	Mineral	
Color Clay® Cydonia	Illite	Oil absorber, mechanical cleanser; Natural coloring agent	Color Clay	Mineral	
Color Clay® Ivory	Kaolin	Oil absorber, mechanical cleanser; Natural coloring agent	Color Clay	Mineral	
Color Clay® Olea	Illite	Oil absorber, mechanical cleanser; Natural coloring agent	Color Clay	Mineral	
Color Clay® Quercus	Illite	Oil absorber, mechanical cleanser; Natural coloring agent	Color Clay	Mineral	
Color Clay® Rosa	Kaolin	Oil absorber, mechanical cleanser; Natural coloring agent	Color Clay	Mineral	
Color Clay® Tilia	Illite	Oil absorber, mechanical cleanser; Natural coloring agent	Color Clay	Mineral	
Color Clay® Vulcanus	Kaolin	Oil absorber, mechanical cleanser; Natural coloring agent	Color Clay	Mineral	
Kaolin (Colloidal) USP/BC 2457	Kaolin	Absorbent; Filler, opacifier; Suspending agent	Kamin	Mineral	
Kaolin (Colloidal) USP/BC 2596	Kaolin	Absorbent; Filler, opacifier; Suspending agent	Kamin	Mineral	



CONDITIONERS

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
FiberHance™ BM	Hydroxypropylgluconamide (and) Hydroxypropylammonium Gluconate	Strengthens internal structure of the hair	Ashland	Plant	 *
N-Hance™ 3196	Guar Hydroxypropyltrimonium Chloride	Medium conditioning and deposition; Lather richness	Ashland	Plant (nature-derived)	
N-Hance™ 3215	Guar Hydroxypropyltrimonium Chloride	High conditioning and deposition; Lather richness	Ashland	Plant	
N-Hance™ CCG45	Guar Hydroxypropyltrimonium Chloride	Medium conditioning and deposition; Creamier lather	Ashland	Plant (nature-derived)	
N-Hance™ BF13	Guar Hydroxypropyltrimonium Chloride	Medium conditioning and deposition; Better lather	Ashland	Plant (nature-derived)	

*Pending approval



COSMETIC POWDERS

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Mica 2280	Mica	Filler with low luster effect	BSI	Mineral	
Mica 2281	Mica	Filler with high luster effect	BSI	Mineral	
Rice Starch 8207	Oryza Sativa (Rice) Starch	Highly absorbent, adds softness	BSI	Plant	
Sericite 281/285	Mica	Filler with soft focus effect	BSI	Mineral	
Silk Powder 8205	Silk	Keeps products soft and powdery	BSI	Animal	
Titanium Dioxide 325	Titanium Dioxide	Opacifier	BSI	Mineral	
Titanium Dioxide 3328	Titanium Dioxide	Opacifier	BSI	Mineral	
White Sericite 282	Mica	Filler with soft focus effect	BSI	Mineral	
White Sericite 2272	Mica	Filler with soft focus effect	BSI	Mineral	

EMULSIFIERS

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Jolee 7887	Polyglyceryl-3 Polyricinoleate (and) Sorbitan Isostearate	Cold-process emulsifier	Oleon	Plant	
KANEKA Premix SQ401	Squalane (and) Glycerin (and) Sodium Surfactin	Creates unique emulsion textures; Clear gel systems; Compatible with a variety of natural oils, esters and silicones	Kaneka	Plant / Biofermentation	
KANEKA Premix TC301	Caprylic/Capric Triglyceride (and) Glycerin (and) Sodium Surfactin	Creates unique emulsion textures; Clear gel systems; Compatible with a variety of natural oils, esters and silicones	Kaneka	Plant / Biofermentation	
KANEKA Surfactin	Sodium Surfactin	Emulsifier for natural oils, esters and silicones; Can create clear gel systems	Kaneka	Biofermentation	
Kostol Natural E #414	Behenyl Alcohol (and) Polyglyceryl-3 Stearate	Ethoxylate free, natural emulsifier	Koster Keunen	Plant	
Kostol NatureMuls #577	Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters (and) Glycerol Stearate (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate	Ethoxylate free, natural emulsifier that produces a range of viscosities and textures	Koster Keunen	Plant	
Organic Emulsifying Wax #462	Beeswax (and) Lecithin (and) Copernicia Cerifera (Carnauba) Wax	Produces silky and stable emulsions	Koster Keunen	Plant	

EMOLLIENTS

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Apricot Kernel Oil	Prunus Armeniaca (Apricot) Kernel Oil	Light, excellent texture; Ease of spreading; Great penetration, moisture retention	Textron	Plant	 Follows fair trade practices
Argan Oil	Argania Spinosa Kernel Oil	Excellent skin protection properties; Good for moisturization and skin elasticity	Textron	Plant	 Follows fair trade practices
Avocado Oil	Persea Gratissima (Avocado) Oil	Deep penetration and significant moisture retention; Restores dry, dehydrated skin and hair	Textron	Plant	Follows fair trade practices
Batana Oil	Elaeis Oleifera Kernel Oil	Emollient and skin conditioner; Encourages thick, shiny hair	Textron	Plant	Follows fair trade practices
Borage Oil	Borago Officinalis Seed Oil	Great penetration, moisture retention; Soothing to sensitive skin	Textron	Plant	Follows fair trade practices
Castor Oil	Ricinus Communis (Castor) Seed Oil	Rich in Ricinoleic acid; Soothing properties	Textron	Plant	Follows fair trade practices
Coconut Oil	Cocos Nucifera (Coconut) Oil	Great moisturizing properties	Textron	Plant	 Follows fair trade practices
Corn Germ Oil	Zea Mays (Corn) Germ Oil	High in Omega-6 Linoleic Acid and Vitamin E	Textron	Plant	Follows fair trade practices
Evening Primrose Oil	Oenothera Biennis (Evening Primrose) Oil	Moisture retention, nourishing properties	Textron	Plant	Follows fair trade practices
EVOIL® Basics	Various	Possess similar properties to the pure oils but at lower cost	Textron	Plant	Follows fair trade practices
EVOIL® Spa EVOIL® Actives	Various	Synergistic blends for maximum efficacy	Textron	Plant	Follows fair trade practices
Grape Seed Oil	Vitis Vinifera (Grape) Seed Oil (and) Tocopherol	Excellent emolliency and hydration; High linoleic acid content with nourishing properties	Textron	Plant	Follows fair trade practices
Hazelnut Oil	Corylus Avellana (Hazelnut) Seed Oil	Luxurious, silky feel to skin; Excellent emollient with moisturizing properties	Textron	Plant	Follows fair trade practices
Hemp Seed Oil	Cannabis Sativa (Hemp) Seed Oil	Increased moisture retention; Improves dry hair and scalp conditions	Textron	Plant	Follows fair trade practices
Jojoba Oil (Clear and Golden)	Simmondsia Chinensis (Jojoba) Seed Oil	Deep penetration and significant moisture retention; Restores dry, dehydrated, and mature skin	Textron	Plant	Follows fair trade practices
Jolee 7750	Isoamyl Laurate	Silky, non-greasy feeling; Excellent spreadability and quick penetration	Oleon	Plant	
Kester Wax K-24 #358	Lauryl Laurate	Slip and skin penetrating agent; Smooth, non-greasy feel; Binder for pressed powders	Koster Keunen	Plant	
Kester Wax K-385 # 352	Cetyl Myristate	Ester wax; Provides creaminess and slip	Koster Keunen	Plant	
Kester Wax K-48 #120	Cetyl Palmitate	Provides lubricity, body, and viscosity; Emollient, thickener, gellant, and opacifier	Koster Keunen	Plant	

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Linseed Oil	Linum Usitatissimum (Linseed) Seed Oil	Emollient, anti-inflammatory, and healing agent; Smooth, soft skin	Textron	Plant	Follows fair trade practices
Lubrajel® Marine	Water (and) Glycerin (and) Sodium PCA (and) Erythritol (and) Carrageenan (and) Xanthan Gum	Naturally derived; Clinically proven 8 hour moisturization; Silky, powdery after feel	Ashland	Plant	
Lubrajel® Natural	Glycerin (and) Beta-Glucan (and) Algin (and) Xanthan Gum	Multifunctional ingredient providing sensory and stabilization benefits	Ashland	Plant/ Fungi	
Macadamia Nut Oil	Macadamia Ternifolia Seed Oil	Deep penetration and significant moisture retention; Restores dry, dehydrated, and mature skin	Textron	Plant	 Follows fair trade practices
Marula Oil	Sclerocarya Birrea Seed Oil	Improves skin and hair hydration and smoothness; Rich in Omega 3, 6, & 9	Southern Botanica	Plant	Follows fair trade practices
Meadowfoam Seed Oil	Limnanthes Alba (Meadowfoam) Seed Oil	Excellent moisturizer, high oxidative stability; Adds shine and moisture to hair	Textron	Plant	Follows fair trade practices
Olive Oil	Olea Europaea (Olive) Fruit Oil	Excellent emollient properties; Smoothness and lubricity	Textron	Plant	 Follows fair trade practices
Orchid Complex™ OS	Caprylic/Capric Triglyceride (and) Cymbidium Grandiflorum Flower Extract	Enhances spreadability; Smooth, light, silky after-feel	Ashland	Plant	
Peach Kernel Oil	Prunus Persica (Peach) Kernel Oil	Deep penetration and significant moisture retention	Textron	Plant	Follows fair trade practices
Pomace Olive Oil	Olea Europaea (Olive) Husk Oil	Smoothness, lubricity and superior moisturization; Excellent emollient properties	Textron	Plant	Follows fair trade practices
Pomegranate Seed Oil	Punica Granatum Seed Oil	Adds moisture, improves skin elasticity and protects the skin	Textron	Plant	Follows fair trade practices
Rapeseed Oil	Brassica Campestris (Rapeseed) Seed Oil	Emollience and moisturization; Cost-effective oil	Textron	Plant	Follows fair trade practices
Rice Bran Oil	Oryza Sativa (Rice) Bran Oil	Softening and moisturizing properties; Gentle enough for sensitive, mature, delicate skin	Textron	Plant	Follows fair trade practices
Rosehip Oil	Rosa Canina Fruit Oil	Great penetration and significant moisture retention	Textron	Plant	 Follows fair trade practices
Safflower Oil (High Oleic or High Linoleic)	Carthamus Tinctorius (Safflower) Seed Oil	Applies easily, offers deep penetration and significant moisture retention	Textron	Plant	Follows fair trade practices
Sesame Oil	Sesamum Indicum (Sesame) Seed Oil	Excellent emollient properties; Hydrating and nourishing	Textron	Plant	 Follows fair trade practices
Shea Butter	Butyrospermum Parkii (Shea) Butter	Moisturizes, protects and soothes the skin	Textron	Plant	 Follows fair trade practices
Soybean Oil (Non GMO)	Glycine Soja (Soybean) Oil	Rich in lecithin, sterolins, and vitamin E; Ideal carrier oil	Textron	Plant	 Follows fair trade practices

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Squalane	Squalane	Great affinity to the skin; Soft, silky, non-greasy touch	Textron	Plant	Follows fair trade practices
Sunflower Oil	Helianthus Annuus (Sunflower) Seed Oil	Excellent skin feel, easily absorbed; Moisturizing, nourishing and conditioning properties	Textron	Plant	 Follows fair trade practices
Sweet Almond Oil	Prunus Amygdalus Dulcis (Sweet Almond) Oil	Applies easily, offers deep penetration and significant moisture retention with high nourishing properties	Textron	Plant	 Follows fair trade practices
Tiger Nut Oil	Cyperus Esculentus Root Oil	Moisturizing; Shows antioxidant and scavenging activities	Textron	Plant	Follows fair trade practices
Wheat Germ Oil	Triticum Vulgare (Wheat) Germ Oil	Keeps skin supple, moisturized and protected	Textron	Plant	Follows fair trade practices



LIPID LAMELLAR GEL SYSTEM

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Prolipid™ 141	Glyceryl Stearate (and) Behenyl Alcohol (and) Palmitic Acid (and) Stearic Acid (and) Lecithin (and) Lauryl Alcohol (and) Myristyl Alcohol (and) Cetyl Alcohol	Designed to exert a “second skin” effect; Moisturizes and promotes healthy skin by strengthening skin’s natural barrier function	Ashland	Plant	 *

*Pending approval

MISC. FINE INGREDIENTS

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Calcium Carbonate	Calcium Carbonate	Filler / opacifier	BSI	Mineral	
CalEssence®	Calcium Carbonate	Filler, absorbent, texture modifier, exfoliant; Various sizes available	MTI	Mineral	
Cavamax® W6, W7, W8	Cyclodextrin	Natural Encapsulator and emulsifier, derived from starch, available in food and pharma grade	WACKER BIO-SOLUTIONS	Plant	
Cavamax® W8 d-α Tocopherol	Cyclodextrin (and) Tocopherol	Provides Vitamin E stability and ease of formulation	WACKER BIO-SOLUTIONS	Plant	Natural d-alpha Tocopherol
Diatom	Diatomaceous Earth	Natural exfoliating material; White color for excellent versatility	Caltron	Mineral	
Keramois L	Hydrolyzed Keratin	Imparts strength and body to hair; improves skin moisturization	BSI	Nature-derived (Animal)	
Pyure® Elite	Stevia Extract	Natural Sweetener	Pyure Brands	Plant	
Silk MW 1000	Hydrolyzed Silk	Condition, repair and strengthen the hair and tighten and smooth the skin	BSI	Nature-derived (Animal)	
Silk Q	Hydroxypropyltrimonium Hydrolyzed Silk	Condition, repair and strengthen the hair	BSI	Nature-derived (Animal)	
Tofu PL	Hydrolyzed Soy Protein	Condition, repair and strengthen	BSI	Nature-derived (Plant)	
Wheat PL	Hydrolyzed Wheat Protein	Condition, repair and strengthen	BSI	Nature-derived (Plant)	
Wheat Q	Hydroxypropyltrimonium Hydrolyzed Wheat Protein	Condition, repair and strengthen	BSI	Nature-derived (Plant)	
Zinc Oxide	Zinc Oxide	Opacifier and barrier	U.S. Zinc	Mineral	
Zinc Stearate	Zinc Stearate	Binder	BSI	Plant/Mineral	

PEARLESCENTS / OPACIFIERS / COLORANTS

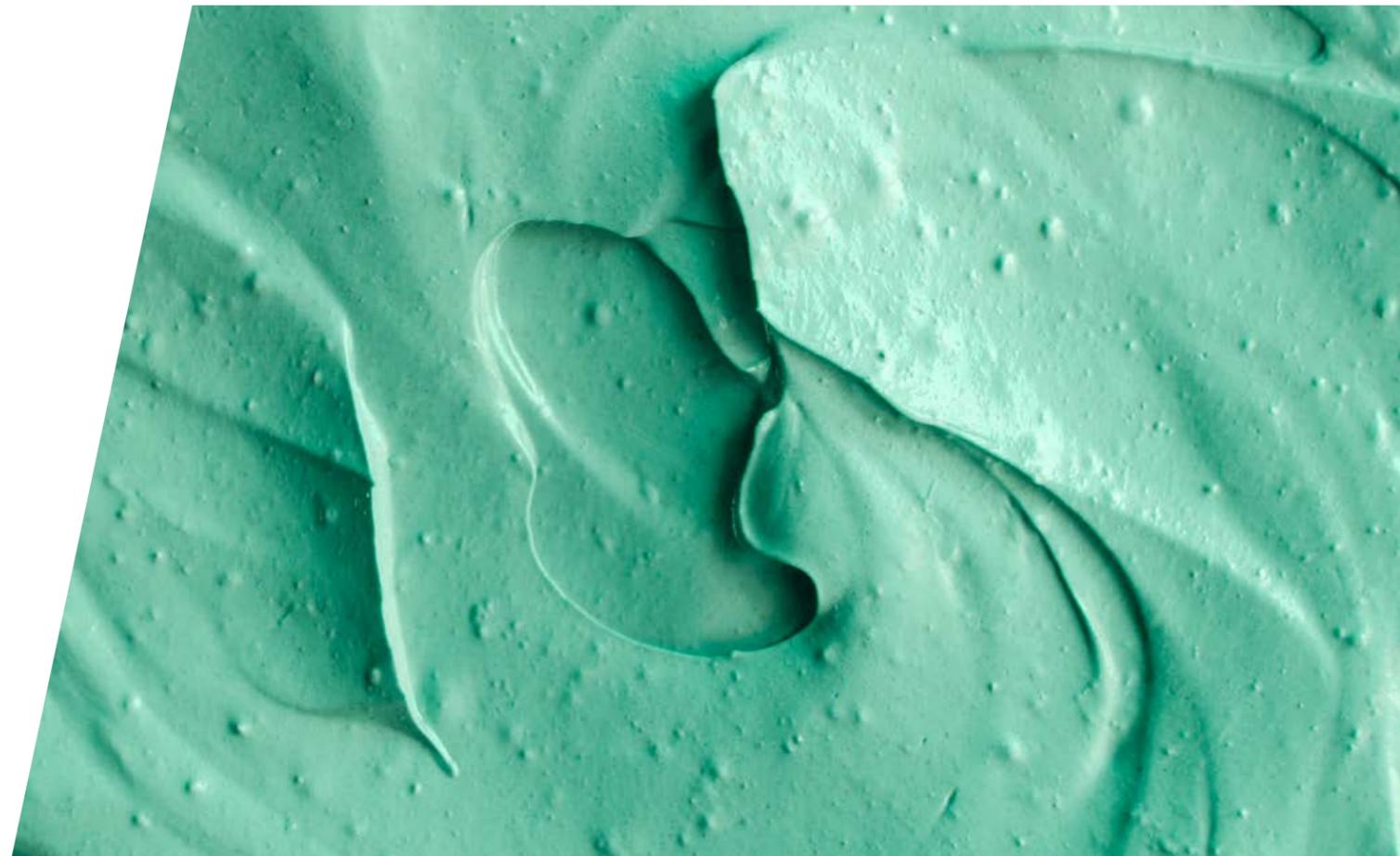
TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Prestige® Beige 35272	Mica (and) Titanium Dioxide (and) Iron Oxides	Imparts a beige shimmer	Sudarshan	Mineral	
Prestige® Blue 35149	Mica (and) Titanium Dioxide	Imparts a iridescent blue shimmer	Sudarshan	Mineral	
Prestige® Bright Bronze 35170	Mica (and) Iron Oxides	Imparts a bronze sparkle	Sudarshan	Mineral	
Prestige® Bright Copper 35171	Mica (and) Iron Oxides	Imparts a copper sparkle	Sudarshan	Mineral	
Prestige® Bright Fire Red 35172	Mica (and) Iron Oxides	Imparts a deep-red sparkle	Sudarshan	Mineral	
Prestige® Bright Gold 35164	Mica (and) Titanium Dioxide	Imparts an iridescent gold sparkle	Sudarshan	Mineral	
Prestige® Bright Lemon Gold 35176	Mica (and) Titanium Dioxide (and) Iron Oxides	Imparts a yellow-gold sparkle	Sudarshan	Mineral	
Prestige® Bright Red 35166	Mica (and) Titanium Dioxide	Imparts an iridescent red sparkle	Sudarshan	Mineral	
Prestige® Bright Silver 35162	Mica (and) Titanium Dioxide	Imparts a silvery sparkle	Sudarshan	Mineral	
Prestige® Bright Sun Gold 35177	Mica (and) Titanium Dioxide (and) Iron Oxides	Imparts a golden sparkle	Sudarshan	Mineral	
Prestige® Bronze 35151	Mica (and) Iron Oxides	Imparts a bronze shimmer	Sudarshan	Mineral	
Prestige® Copper 35152	Mica (and) Iron Oxides	Imparts a copper shimmer	Sudarshan	Mineral	
Prestige® Fire Red 35153	Mica (and) Iron Oxides	Imparts deep red shimmer	Sudarshan	Mineral	
Prestige® Gold 35145	Mica (and) Titanium Dioxide	Imparts a golden shimmer	Sudarshan	Mineral	
Prestige® Golden Glow 35507	Mica (and) Titanium Dioxide (and) Curcumin	Imparts a deep golden shimmer	Sudarshan	Mineral, Plant	Coated with plant-derived curcumin
Prestige® Green 35150	Mica (and) Titanium Dioxide	Imparts an iridescent green shimmer	Sudarshan	Mineral	
Prestige® Orange 35146	Mica (and) Titanium Dioxide	Imparts a reddish-orange shimmer	Sudarshan	Mineral	
Prestige® Red 35147	Mica (and) Titanium Dioxide	Imparts a dark red shimmer	Sudarshan	Mineral	

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Prestige® Silk Silver 35130	Mica (and) Titanium Dioxide	Imparts a silver sheen	Sudarshan	Mineral	
Prestige® Silver 35143	Mica (and) Titanium Dioxide	Imparts a silver shimmer	Sudarshan	Mineral	
Prestige® Soft Bronze 35339	Mica (and) Iron Oxides	Imparts a bronze sheen	Sudarshan	Mineral	
Prestige® Soft Copper 35340	Mica (and) Iron Oxides	Imparts a copper sheen	Sudarshan	Mineral	
Prestige® Soft Fire Red 35341	Mica (and) Iron Oxides	Imparts a deep red sheen	Sudarshan	Mineral	
Prestige® Sparkling Lemon Gold 35189	Mica (and) Titanium Dioxide (and) Iron Oxides	Imparts a gold glitter effect	Sudarshan	Mineral	
Prestige® Sparkling Silver 35178	Mica (and) Titanium Dioxide	Imparts a silver glitter effect	Sudarshan	Mineral	
Prestige® Sun Gold 35158	Mica (and) Titanium Dioxide (and) Iron Oxides	Imparts a golden shimmer	Sudarshan	Mineral	
Prestige® Super Soft Bronze 35467	Mica (and) Iron Oxides	Small particle; imparts a bronze sheen	Sudarshan	Mineral	
Prestige® Super Soft Copper 35466	Mica (and) Iron Oxides	Small particle; imparts a copper sheen	Sudarshan	Mineral	
Prestige® Super Soft Silver 35457	Mica (and) Titanium Dioxide	Small particle; imparts a silver sheen	Sudarshan	Mineral	
Prestige® Violet 35148	Mica (and) Titanium Dioxide	Imparts an iridescent violet shimmer	Sudarshan	Mineral	
Sumicos™ Bronze Flash 43757	Mica (and) Iron Oxides	Imparts a bronze glitter effect	Sudarshan	Mineral	
Sumicos™ Copper 43837	Mica (and) Iron Oxides	Imparts a copper shimmer	Sudarshan	Mineral	
Sumicos™ Flash Bronze HG755	Mica (and) Iron Oxides	High gloss, imparts a bronze glitter effect	Sudarshan	Mineral	
Sumicos™ Flash Copper HG855	Mica (and) Iron Oxides	High gloss, imparts a copper glitter effect	Sudarshan	Mineral	
Sumicos™ Flash Gold HG255	Mica (and) Titanium Dioxide	High gloss, imparts a golden glitter effect	Sudarshan	Mineral	

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Sumicos™ Flash Maroon HG955	Mica (and) Iron Oxides	High gloss, imparts a brownish-red glitter effect	Sudarshan	Mineral	
Sumicos™ Flash Red HG355	Mica (and) Titanium Dioxide	High gloss, imparts a dark red glitter effect	Sudarshan	Mineral	
Sumicos™ Flash Rising Sun HG757	Mica (and) Titanium Dioxide (and) Iron Oxides	High gloss, imparts a golden-bronze glitter effect	Sudarshan	Mineral	
Sumicos™ Flash Silver HG155	Mica (and) Titanium Dioxide	High gloss, imparts a silver glitter effect	Sudarshan	Mineral	
Sumicos™ Flash Skin Bronze HG753	Mica (and) Titanium Dioxide (and) Iron Oxides	High gloss, imparts a red bronze glitter effect	Sudarshan	Mineral	
Sumicos™ Flash Violet HG356	Mica (and) Titanium Dioxide	High gloss, imparts a violet glitter effect	Sudarshan	Mineral	
Sumicos™ Maroon 43937	Mica (and) Iron Oxides	Imparts a brownish-red shimmer	Sudarshan	Mineral	
Sumicos™ Satin Mica 43027	Mica	Imparts translucent sheen	Sudarshan	Mineral	
Sumicos™ Silky Silver Fine 43124	Mica (and) Titanium Dioxide	Small particle, impart s silver sheen	Sudarshan	Mineral	
Sumicos™ Silver Standard 43133	Mica (and) Titanium Dioxide	Imparts a silver shimmer	Sudarshan	Mineral	
Sumicos™ Velvet Mica 43037	Mica	Imparts translucent shimmer	Sudarshan	Mineral	
Sumicos™ Walnut 43839	Mica (and) Iron Oxides	Imparts a deep bronze shimmer	Sudarshan	Mineral	
Titanium Dioxide 325	Titanium Dioxide	Opacifier or colorant	BSI	Mineral	
Titanium Dioxide 3328	Titanium Dioxide	Opacifier or colorant	BSI	Mineral	

PRESERVATIVES

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Conarom™ B Aromatic	Phenylpropanol (and) Humulus Lupulus (Hops) Extract	Broad-spectrum protection; Mild floral-to-spicy aroma; Effective pH range: 4 - 8	Ashland	Nature identical	
Conarom™ P-2	Phenethyl Alcohol (and) Caprylyl Glycol (and) Propanediol (and) Polyglyceryl-4 Laurate/Sebacate (and) Polyglyceryl-6 Caprylate/Caprates (and) Water	Broad-spectrum protection; Mild rose-like aroma; Complements aroma of final product; Effective pH range: 4 - 8	Ashland	Nature identical	
Optiphen™ BS	Sodium Benzoate (and) Potassium Sorbate	Nature identical combination, global use; pH up to 5.4	Ashland	Nature identical	
Optiphen™ BSB-N	Benzyl Alcohol (and) Glycerin (and) Benzoic Acid (and) Sorbic Acid	Effective against bacteria, yeast, and mold; pH up to 5.4; Global use	Ashland	Nature identical	
Optiphen™ BSB-W	Benzyl Alcohol (and) Water (and) Sodium Benzoate (and) Potassium Sorbate	Effective against bacteria, yeast, and mold; pH up to 5.4; Global use	Ashland	Nature identical	
Silverion™ 2400	Citric Acid (and) Silver Citrate	Natural Preservative; pH up to 7.00	Pure Bioscience	Mineral	



RHEOLOGY MODIFIERS

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Albagel®	Bentonite	Natural viscosity modifier and suspending agent	BSI	Mineral	
Aqualon™ CMC Blanose™ CMC	Cellulose Gum	Rheology control for gels, ointments, liquid make-up and oral care products; film-former	Ashland	Plant	
Benecel™ HPMC	Hydroxypropyl Methylcellulose	Thickens hydroalcoholic systems; Stabilizes complex surfactant mixtures; Increases lather density, volume, and stability	Ashland	Plant	
Bentonite NF BC 670	Bentonite	Natural viscosity modifier and suspending agent	BSI	Mineral	
Klucel™	Hydroxypropylcellulose	Soluble in a broad range of solvents; Natural feeling film formation; Ability to create clear formulations	Ashland	Plant	
MAS 100	Magnesium Aluminum Silicate	Thickener and suspending agent; Helps stabilize emulsions	BSI	Mineral	
MAS 101	Magnesium Aluminum Silicate	Thickener and suspending agent; Helps stabilize emulsions	BSI	Mineral	
MAS 102	Magnesium Aluminum Silicate	Thickener and suspending agent; Helps stabilize emulsions; High viscosity	BSI	Mineral	
MAS 103	Magnesium Aluminum Silicate	Thickener and suspending agent; Helps stabilize emulsions;			
Acid-stable	BSI	Mineral			
Natrosol™ HR, HHR, BR, Pharm	Hydroxyethylcellulose	Imparts slip and lubricity; Ability to create clear formulations; Wide range of viscosities, stabilizes emulsion systems	Ashland	Plant	
Natrosol™ Plus 330 CS	Cetyl Hydroxyethylcellulose	Imparts slip and lubricity; Pseudoplastic behavior; Stable over broad (3.5 - 11.0) pH range	Ashland	Plant	
Polysurf™ 67	Cetyl Hydroxyethylcellulose	Imparts slip and lubricity; Pseudoplastic behavior; Stable over broad (3.5 - 11.0) pH range	Ashland	Plant	
Polargel® CA #343	Bentonite	Natural viscosity modifier and suspending agent	BSI	Mineral	
Polargel® HV NF BC #364	Bentonite	Natural viscosity modifier and suspending agent	BSI	Mineral	
Polargel® Natural USP NF BC #341	Bentonite	Natural viscosity modifier and suspending agent	BSI	Mineral	
Polargel® NF BC #342	Bentonite	Natural viscosity modifier and suspending agent	BSI	Mineral	
Supercol®	Cyamopsis Tetragonoloba (Guar) Gum	Natural thickening gum	Ashland	Plant	

VITAMIN E

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Vitapherole® E-1000	Tocopherol	Naturally sourced d-alpha Tocopherol in Sunflower Oil	Vitae Naturals	Plant	
Vitapherole® E-1000 Acetate	Tocopheryl Acetate	Naturally sourced Tocopheryl Acetate derived from Soybean Oil	Vitae Naturals	Plant	
Vitapherole® T-50 Vitapherole® T-70	Tocopherol	Naturally sourced Mixed Tocopherols in Sunflower Oil	Vitae Naturals	Plant	
Vitapherole® TP- 300WD	Tocopherol (and) Acacia Senegal Gum	Mixed tocopherols spray-dried on a water-dispersible powder	Vitae Naturals	Plant	



WAXES (NON-EMULSIFYING)

TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Bayberry Wax	Myrica Cerifera (Bayberry) Fruit Wax	Emollient, oil thickener, stabilizer, film former	Koster Keunen	Plant	
Bee's Milk Natural Wax	Water (and) Beeswax (and) Glycine Soya (Soybean) Oil (and) Glyceryl Caprylate (and) Polyglyceryl-10 Laurate	Cold processable; Highly stable emollient; Film former; Opacifier	Koster Keunen	Animal/ Plant	
Beeswax	Beeswax	Viscosity modifier; Creamy texture; Improves emulsion stability and texture	Koster Keunen	Animal	
Behenyl Beeswax	Behenyl Beeswax	Stable, strong, smooth gels at low wax concentrations; Gels wide range of oils	Koster Keunen	Animal	
Candelilla Wax	Euphorbia Cerifera (Candelilla) Wax	Excellent oil binding properties; Improves stability, texture and strength; Provides surface gloss to stick products	Koster Keunen	Plant	
Candelilla Acid Free Wax	Cetearyl Candelillate	Inhibits crystallization; Acts as a gellant; Water repellent, moisturizing, and film forming properties	Koster Keunen	Plant	
Carnauba Milk Natural Wax	Water (and) Copernicia Cerifera (Carnauba) Wax (and) Glycine Soya (Soybean) Oil (and) Glyceryl Caprylate (and) Polyglyceryl-10 Laurate	Cold processable dispersion; Film former; Opacifier; Reduces tackiness	Koster Keunen	Plant	
Carnauba Wax	Copernicia Cerifera (Carnauba) Wax	High melt point wax; Improves body and stick structure	Koster Keunen	Plant	
Cocoa Butter	Theobroma Cacao (Cocoa) Seed Butter	Excellent moisturizing and emollient properties	Koster Keunen	Plant	
Jojoba Wax	Hydrogenated Jojoba Oil	Strong gelling properties; Penetrates the lipid layer, leaving a soft and dry sensation	Koster Keunen	Plant	
Kester Wax K-BWR	Behenyl Behenate (and) Polyhydroxystearic Acid (and) Euphorbia Cerifera (Candelilla) Wax	Natural, vegan alternative for beeswax; Structuring agent, plasticizer and viscosity modifier	Koster Keunen	Plant	
Kester Wax K-24	Lauryl Laurate	Slip agent in anhydrous systems; Smooth, non-greasy, silicone-like after-feel; Liquid binder for pressed powders	Koster Keunen	Plant	
Kester Wax K-385	Cetyl Myristate	Ester wax; Provides creaminess and slip	Koster Keunen	Plant	
Kester Wax K-48	Cetyl Palmitate	Lubricity, body, and viscosity; Emollient, gellant, thickener	Koster Keunen	Plant	
Kester Wax K-60P	Polyhydroxystearic Acid	Film-former, emollient, and plasticizer; Helps prevent crystallization in emulsions; Enhances creamy texture	Koster Keunen	Plant	
Kester Wax K-62	Stearyl Behenate (and) Cetyl Stearate (and) Stearyl Stearate	Good gelling wax; 50/50 with K-60P makes a vegan beeswax substitute	Koster Keunen	Plant	



TRADE NAME	INCI	BENEFITS	SUPPLIER	SOURCE	COMMENTS
Kester Wax K-72	Behenyl Behenate	Create structure in sticks; Excellent oil gelling and binding capabilities	Koster Keunen	Plant	
NaturalAtum®	Canola Oil (and) Ricinus Communis (Castor) Seed Oil (and) Polyhydroxystearic Acid (and) Euphorbia Cerifera (Candelilla) Wax (and) Helianthus Annuus (Sunflower) Seed Wax (and) Tocopheryl Acetate	Physical and chemical properties similar to petrolatum Improves thermal stability, emollience, lubricity and acts as a plasticizer	Koster Keunen	Plant	
Orange Peel Wax	Citrus Aurantium Dulcis (Orange) Peel Wax	Emollient with excellent skin feel; Helps create moisture barrier; Substitute for lanolin	Koster Keunen	Plant	
Rice Bran Wax	Oryza Sativa (Rice) Bran Wax	Hardness, texture, and strength; Mold release; Gelling agent	Koster Keunen	Plant	
Sunflower Wax	Helianthus Annuus (Sunflower) Seed Wax	Hardness, strength, texture, and mold release; Exceptional oil gellant, provides emolliency, lubricity	Koster Keunen	Plant	
Sunflower Wax Beads - Uncolored	Helianthus Annuus (Sunflower) Seed Wax	Natural, gentle exfoliation	Koster Keunen	Plant	
Vegetable Wax Natural #563	Hydrogenated Palm Oil (and) Theobroma Cacao (Cocoa) Seed Butter (and) Cetyl Palmitate	Excellent gelling capabilities; Adds emollience without greasy feel; Compatible with broad range of oils	Koster Keunen	Plant	



FORMULATIONS

Each year, the Personal Care Applications Lab debuts new prototypes with formulations for cosmetics, hair care, and skin care. Each formulation showcases trends in the personal care industry as well as unique uses for ingredients available at Brenntag.

All prototypes undergo stability testing at 40°C for a period of three months. These prototypes are also intended for use as starting point formulas only and may be altered or modified as needed.

COSMETIC FORMULATIONS

Naturally Nourishing Lip Stick 03-046

PHASE	TRADE NAME	INCI	SUPPLIER	%
A	Pomace Olive Oil TX 8066	Olea Europaea (Olive) Husk Oil	BSI - Textron	40.00
	Refined Avocado Oil TX 8222	Persea Americana (Avocado) Oil	BSI - Textron	3.00
	Virgin Argan Oil TX 8121	Argania Spinosa Kernel Oil	BSI - Textron	3.00
	Ceraphyl™ 791	Isocetyl Stearoyl Stearate	BSI - Ashland	7.00
	Kester Wax K-24 #358	Lauryl Laurate	BSI - Koster Keunen	5.00
	American Refined Cocoa Butter #286	Theobroma Cacao (Cocoa) Seed Butter	BSI - Koster Keunen	3.00
	Kester Wax K-60P #484	Polyhydroxystearic Acid	BSI - Koster Keunen	3.00
	NF Beeswax Yellow #423	Beeswax	BSI - Koster Keunen	7.00
	Sunflower Wax #258	Helianthus Annuus (Sunflower) Seed Wax	BSI - Koster Keunen	11.00
B	Magnesium Myristate Treated Sericite ST2610	Sericite (and) Magnesium Myristate	BSI	3.00
	Titanium Dioxide 325	Titanium Dioxide	BSI	3.00
	Red Iron Oxide	Iron Oxides	Color Technologies	3.00
	Soft Sphere P 8208	Silica	BSI	1.00
C	Prestige Ruby 35159	Mica (and) Titanium Dioxide (and) Tin Oxide (and) Carmine	BSI - Sudarshan	2.00
	Prestige Fire Red 35153	Mica (and) (and) Iron Oxides	BSI - Sudarshan	5.00
	Optiphen®	Phenoxyethanol (and) Caprylyl Glycol	BSI - Ashland	1.00

- **Phase A:** Heat Phase A to 75-80°C. Mix well until uniform and all waxes are melted. Maintain temperature of 75-80°C.
- **Phase B:** In a separate container preblend Phase B, add blend to main tank slowly to avoid aeration. Cool batch to 75-80°C.
- **Phase C:** Add Phase C ingredients individually, mixing well after each addition. Pour immediately into containers.

Natural Vegan Lip Balm 03-042

PHASE	TRADE NAME	INCI	SUPPLIER	%
A	Pomace Olive Oil TX 8066	Olea Europaea (Olive) Husk Oil	BSI - Textron	65.00
	American Refined Cocoa Butter #286	Theobroma Cacao (Cocoa) Seed Butter	BSI - Koster Keunen	3.00
	Kester Wax K-60P #484	Polyhydroxystearic Acid	BSI - Koster Keunen	9.00
	Kester Wax K-62 #130	Stearyl Behenate	BSI - Koster Keunen	10.00
	Kester Wax K-24 #358	Lauryl Laurate	BSI - Koster Keunen	2.00
	Orange Peel Wax Deodorized #139	Citrus Aurantium Dulcis (Orange) Peel Wax	BSI - Koster Keunen	3.00
	Sunflower Wax #258	Helianthus Annuus (Sunflower) Seed Wax	BSI - Koster Keunen	4.00
	Candelilla Wax NF #419	Euphorbia Cerifera (Candelilla) Wax	BSI - Koster Keunen	4.00

■ **Phase A:** Heat Phase A to 70-75°C. Mix well until uniform and waxes are melted. Once batch is uniform, pour into containers.

HAIR CARE FORMULATIONS

Naturally Nourishing Hair Masque 04-016

PHASE	TRADE NAME	INCI	SUPPLIER	%
A	KANEKA Surfactin	Sodium Surfactin	BSI - Kaneka	0.50
	Glycerin	Glycerin	Brenntag	20.00
B	Avocado Oil TX:8222	Persea Gratissima (Avocado) Oil	BSI - Textron	36.00
	Argan Oil TX:8121	Argania Spinosa Kernel Oil	BSI - Textron	20.00
	Sweet Almond Oil TX:8375	Prunus Amygdalus Dulcis (Sweet Almond) Oil (and) Vegetable Oil	BSI - Textron	20.00
	Batana Oil TX:8054	Elaeis Oleifera Kernel Oil	BSI - Textron	3.00
	Vitapherole® E-1000 Non-GMO	Tocopherol	BSI - Vitae Naturals	0.50

- **Phase A:** Slowly add KANEKA Surfactin to Glycerin with high speed agitation, mixing well until uniform.
- **Phase B:** In a separate vessel, heat Phase B to 40 - 45°C. Mix until Batana Oil is melted and phase is uniform. Begin cooling to ambient temperature. Slowly, add Phase B to Phase A with propeller agitation. Oil phase must be added slowly; if oil phase starts pooling, stop addition until oil is incorporated. Increase mixing speed as viscosity increases. Add sweep agitation to propeller as necessary. Mix until clear and uniform.

Appearance: Clear, amber, viscous gelled oil

Natural Hair Pomade 03-110

PHASE	TRADE NAME	INCI	SUPPLIER	%
A	Refined Coconut Oil TX:8201	Cocos Nucifera (Coconut) Oil	BSI - Textron	43.40
	Batana Oil TX:8054	Elaeis Oleifera Kernel Oil	BSI - Textron	20.00
	Kester Wax CT #592	C32-36 Isoalkyl Stearate (and) Polyhydroxystearic Acid (and) Stearyl Behenate (and) Cetearyl Alcohol (and) Polyglyceryl-3 Stearate (and) Polysorbate 60	BSI - Koster Keunen	3.00
	NF Beeswax Yellow #423	Beeswax	BSI - Koster Keunen	10.00
	Kester Wax K-60P #484	Polyhydroxystearic Acid	BSI - Koster Keunen	10.00
	Virgin Argan Oil TX:8121	Argania Spinosa Kernel Oil	BSI - Textron	3.00
B	2596 Kaolin USP/BC	Kaolin	BSI	10.00
C	Fragrance			0.10
	Optiphen® BSB-N	Benzyl Alcohol (and) Glycerin (and) Benzoic Acid (and) Sorbic Acid	BSI - Ashland	0.50

- **Phase A:** Add Phase A ingredients to main container and begin heating to 70-75°C with propeller mixing.
- **Phase B:** Once Phase A reaches 70-75°C, sprinkle in Phase B Kaolin and homogenize until the clay is fully dispersed. Return to propeller mixing.
- **Phase C:** Add Phase C ingredients individually, mixing well after each addition.



SKIN CARE FORMULATIONS

Natural Face Lotion 03-142

PHASE	TRADE NAME	INCI	SUPPLIER	%
A	DI Water	Water		74.70
	Polargel® Natural	Bentonite	BSI - HBS	4.00
	Rhodicare® T	Xanthan Gum	Solvay	0.20
	Glycerin	Glycerin	Brenntag	2.00
B	Kostol NatureMuls #577	Candelilla/Jojoba/Rice Bran Polyglyceryl-3 Esters (and) Glyceryl Stearate (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate (and) Stearic Acid (and) Copernicia Cerifera (Carnauba) Wax	BSI - Koster Keunen	5.00
	Kester Wax K-24	Lauryl Laurate	BSI - Koster Keunen	3.00
	Marula Oil	Sclerocarya Birrea Seed Oil	BSI - Southern Botanica	2.00
	Grapeseed Oil TX:8041	Vitis Vinifera (Grape) Seed Oil (and) Tocopherol	BSI - Textron	1.00
	Ceraphyl™ 847	Octyldodecyl Stearoyl Stearate	BSI - Ashland	1.00
	Kester Wax K-60P	Polyhydroxystearic Acid	BSI - Koster Keunen	0.50
	Lubrajel® Natural	Glycerin (and) Beta-Glucan (and) Algin (and) Xanthan Gum	BSI - Ashland	3.00
	Blumilight™	Water (and) Butylene Glycol (and) Theobroma Cacao (Cocoa) Seed Extract	BSI - Ashland	1.00
C	GP4G SP™	Water (and) Artemia Extract	BSI - Ashland	1.00
	Vitapherole® E-1000	Tocopherol	BSI - VitaeNaturals	0.50
	Lactic Acid 88%	Lactic Acid	Brenntag	0.10
	Optiphen™ BSB-N	Benzyl Alcohol (and) Glycerin (and) Benzoic Acid (and) Sorbic Acid	BSI - Ashland	1.00

- **Phase A:** Add hot water to main container and begin moderate propeller agitation. Begin heating to 75-80°C. Sprinkle in the Bentonite and mix well for a minimum of 30 minutes. Premix Xanthan Gum and Glycerin, add to batch and continue mixing for a minimum of 30 minutes until well hydrated and smooth while maintaining temperature at 75-80°C.
- **Phase B:** In a separate container premix Phase B and begin heating to 75-80°C. Once both the main tank and the premix reach 75-80°C, add premix to main tank. Homogenize batch until smooth. Add sweep agitation to propeller as necessary. Mix until clear and uniform.
- **Phase C:** Begin cooling batch to room temperature. When the batch reaches below 40°C, add Phase C ingredients individually, mixing well after each addition.

Note: QS Lactic Acid to adjust the pH below 5.4.

Natural Hydrating Scrub 03-176

PHASE	TRADE NAME	INCI	SUPPLIER	%
A	KANEKA Surfactin	Sodium Surfactin	BSI - Kaneka	0.60
	Glycerin	Glycerin	Brenntag	20.00
B	Squalane TX:0504	Squalane	BSI - Textron	10.00
	Olive Oil Refined TX:8064	Olea Europaea (Olive) Fruit Oil	BSI - Textron	42.60
	Marula Oil	Sclerocarya Birrea Seed Oil	BSI - Southern Botanica	5.00
	Jolee 7750	Isoamyl Laurate	BSI - Oleon	8.00
	Kester Wax K-24 #358	Lauryl Laurate	BSI - Koster Keunen	5.00
	Vitapherole® E-1000 Acetate	Tocopheryl Acetate	BSI - VitaeNaturals	0.50
C	Vitapherole® T-70	Tocopherol	BSI - VitaeNaturals	0.50
	Blackberry Seed Nutri-Powder™	Rubus Fruticosus (Blackberry) Seed	Botanic Innovations	0.30
	Diatom	Diatomaceous Earth	BSI - Caltron Clays	7.50

- **Phase A:** Slowly add KANEKA Surfactin to Glycerin with high speed agitation, mixing well until uniform.
- **Phase B:** Very slowly add Phase B ingredients with high speed mixing until smooth and uniform.
- **Phase C:** Reduce mixing speed and add Phase 3 exfoliants, mix until evenly dispersed.

Appearance: Hazy, highly viscous, gelled oil with exfoliants



Stretch Mark Defense 04-017

PHASE	TRADE NAME	INCI	SUPPLIER	%
A	EVOIL® AST	Helianthus Annuus (Sunflower) Seed Oil (and) Glycine Soja (Soybean) Oil (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Retinyl Palmitate (and) Tocopherol	BSI - Textron	60.00
	Grapeseed Oil TX:8041	Vitis Vinifera (Grape) Seed Oil (and) Tocopherol	BSI - Textron	20.00
	Olive Squalane TX:0504	Squalane	BSI - Textron	5.00
	Kester Wax K-24 #358	Lauryl Laurate	BSI - Koster Keunen	5.00
	Marula Oil	Sclerocarya Birrea Seed Oil	BSI - Southern Botanica	5.00
B	Orchid Complex™ OS	Caprylic/Capric Triglyceride (and) Cymbidium Grandiflorum Flower Extract	BSI - Ashland	3.00
	Serenityl™	Marsdenia Cundurango Bark Extract (and) Caprylic/Capric Triglyceride	BSI - Ashland	1.00
	Vitapherole® E-1000 Acetate	Tocopheryl Acetate	BSI - Vitae Naturals	1.00

- **Phase A:** Heat Phase A to 30-35°C while mixing with propeller agitation. Mix until Kester Wax K-24 is melted and phase is uniform. Begin cooling to ambient temperature.
- **Phase B:** Add Phase B materials with propeller agitation. Mix until uniform.

Appearance: Clear, thin, yellow liquid.



ABOUT BRENNTAG NORTH AMERICA

Brenntag is the global market leader in full-line range of chemical and ingredient products and value-added services. As one of the four geographically structured segments of the Brenntag Group, Brenntag North America operates over 180 locations across the United States and Canada.

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