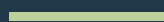




GREEN
LINE

INGREDIENTS

PRODUCT
CATALOG



2025






Green Line™ has a range of ingredients to meet the ongoing performance and marketing needs of the natural customer - innovative active ingredients, high-performance emulsifiers, natural antioxidants, and multifunctional ingredients, along with our robust list of stock botanical extracts with industry best lead-times.

Our team is continuing to develop new ingredients that provide our customers with high performance and novel claims in a full range of cosmetic and personal care applications by harnessing the power of plants.





GREENWAX™: EMULSIFIERS

EMULSIFYING BLENDS

GreenWax™ LUX MB *(GLE-10128)* **Use Level** 3.0-8.0% **Approximate HLB:** 6-9
INCI: Glyceryl Stearate, Sodium Stearoyl Lactylate, Hydrolyzed Sunflower Seed Wax
Description: Natural, PEG-free emulsifying blend for O/W emulsions with a rich, luxurious texture.

GreenWax™ WO MB *(GLE-10119)* **Use Level** 3.0-8.0% **Approximate HLB:** 4-6
INCI: Glyceryl Oleate, Hydrolyzed Sunflower Seed Wax, Sucrose Polystearate
Description: Versatile, easy-to-use W/O emulsifier blend ideal for natural color cosmetics and skincare. Provides a light, soft texture with minimal drag, creating textures superior to those of conventional W/O emulsions.

O/W EMULSIFIERS

GreenWax™ GSC POF *(GLE-10120)* **Use Level** 1.0-4.0% **HLB:** 10-12
INCI: Glyceryl Stearate Citrate
Description: Sustainably sourced, versatile anionic emulsifier derived from rapeseed oil. Creates emulsions of various viscosities, providing a smooth, silky skin feel with excellent O/W emulsion stability.

GreenWax™ GOC MB *(GLE-10121)* **Use Level** 1.0-4.0% **HLB:** 10-15
INCI: Glyceryl Oleate Citrate
Description: Natural, cold or hot process O/W emulsifier designed for low-viscosity, sprayable formulations. Anionic and PEG-free, ideal for creating lightweight emulsions with a non-tacky skin feel and light body.

GreenWax™ NV2 MB *(GLE- 10130)* **Use Level** 3.0-7.0% **HLB:** 10-12
INCI: Polyglyceryl-10 Distearate (and) Cetearyl Alcohol
Description: Biobased, non-ionic, multipurpose, stand-alone O/W emulsifier. Produces a wide range of stable viscosities from fluid to balm-like. A greener choice over traditional ethoxylated emulsifiers.

W/O EMULSIFIERS

GreenWax™ PGPR MB *(GLE-10122)* **Use Level** 3.0-6.0% **HLB:** 4
INCI: Polyglyceryl-3 Polyricinoleate
Description: Robust, W/O emulsifier ideal for natural baby products and sun care. Creates rich, nourishing textures that soften and protect the skin.

GreenWax™ SOFT MB *(GLE-10123)* **Use Level** 3.0-6.0% **Approximate HLB:** 4
INCI: Polyglyceryl-3 Dioleate
Description: Plant-based W/O emulsifier that produces elegant textures while imparting a soft, smooth touch. Combines the lightness of an O/W with the skin nourishing benefits of a W/O.

CO-EMULSIFIERS

GreenWax™ GB MB *(GLE-10124)* **Use Level** 1.0-10.0% **Approximate HLB:** 3-4
INCI: Glyceryl Behenate
Description: Natural co-emulsifier and skin conditioning agent that enhances texture and stability in formulations. Provides a smooth, non-greasy finish and helps improve the spread-ability of products.

GreenWax™ GL MB *(GLE-10091)* **Use Level** 0.5-10.0% **Approximate HLB:** 3-5
INCI: Cetearyl Alcohol, Glyceryl Laurate
Description: Co-emulsifier, preservative booster and viscosity enhancer that creates unique, rich textures without negatively impacting the performance of your primary emulsifier.

GreenWax™ GO MB *(GLE-10133)* **Use Level** 1.0-3.0% **Approximate HLB:** 4
INCI: Glyceryl Oleate
Description: Natural co-emulsifier and stabilizer for W/O emulsions. Ideal in combination with GreenWax PGPR MB.

IMBUE™: EMULSION CONCENTRATES

Imbue™ Product Line:

A novel emulsion concentrate with a high internal phase developed to create everything from sprayable systems to gel-cream textures with few additional ingredients. 100% biobased, simple cold processing can yield an entire product line including moisturizing cleansers, wipes, toners, serums, lotions, and creams. At 1-5%, Imbue™ helps stabilize emulsions in scale-up without the need for entire re-formulation.

Imbue™ SF MB (GLE-10099) **Use Level** 0.5-50%

INCI: Water, Carthamus Tinctorius (Safflower) Seed Oil, Glycerin, Polyglyceryl-6-Stearate, Glyceryl Caprylate, Xanthan Gum, Rosmarinus Officinalis (Rosemary) Leaf Extract

Imbue™ TEC MB (GLE-10103) **Use Level** 0.5-50%

INCI: Water, Triethyl Citrate, Glycerin, Polyglyceryl-6-Stearate, Glyceryl Caprylate, Carthamus Tinctorius (Safflower) Seed Oil, Xanthan Gum, Rosmarinus Officinalis (Rosemary) Leaf Extract

Imbue™ Shea MB (GLE-10101) **Use Level** 0.5-50%

INCI: Water, Butyrospermum Parkii (Shea) Butter Extract, Glycerin, Polyglyceryl-6-Stearate, Glyceryl Caprylate, Carthamus Tinctorius (Safflower) Seed Oil, Xanthan Gum, Rosmarinus Officinalis (Rosemary) Leaf Extract

Imbue™ Coconut MB (GLE-10105) **Use Level** 0.5-50%

INCI: Water, Cocos Nucifera (Coconut) Oil, Glycerin, Polyglyceryl-6 Stearate, Glyceryl Caprylate, Carthamus Tinctorius (Safflower) Seed Oil, Xanthan Gum, Rosmarinus Officinalis (Rosemary) Leaf Extract

Imbue™ JO MB (GLE-10102) **Use Level** 0.5-50%

INCI: Water, Simmondsia Chinensis (Jojoba) Seed Oil, Glycerin, Polyglyceryl-6 Stearate, Glyceryl Caprylate, Xanthan Gum, Carthamus Tinctorius (Safflower) Seed Oil, Rosmarinus Officinalis (Rosemary) Leaf Extract

GREENSOLV™: SURFACTANTS & SOLUBILIZERS



GreenSolv™ 168 MB (GLE-10093)

Use Level 1.0-5.0%

INCI: Caprylyl/Capryl Glucoside, Polyglyceryl-10-Laurate, Water, Glycerin, Polyglyceryl-10 Oleate

Description: A 100% biobased solution used to solubilize essential oils and fragrances in cosmetic formulations. A powerful alternative to synthetics. GreenSolv 168 is a gentle and mild non-ionic surfactant that has shown to be effective in a range of formulations including wipe formulations, and is particularly effective at solubilizing difficult essential oils including fragrances.

GreenSolv™ G10L MB (GLE-10094)

Use Level 1.0-5.0%

INCI: Polyglyceryl-10 Laurate

Description: A natural, ethoxylate-free surfactant, solubilizer and co-emulsifier with exceptional skin and eye tolerance. Ideal for gentle, clean beauty formulations.

GREENGARD™:
ANTIMICROBIALS
& CHELATION

GreenGard™ L (PATENT PENDING) Use Level 1.5-2.5%

INCI: Water, Arginine, Levulinic Acid

Description: 100% biobased, multifunctional ingredient. Strong activity against gram (+) and gram (-) bacteria, works best when paired with an anti-fungal agent. In-vitro testing confirms additional skin benefits including a reduction of TEWL and upregulation of collagen I. Most effective between pH 4.5 and 5.5.

Efficacy spectrum:

gram+	gram-	yeast	mold
			

GreenGard™ LA (PATENT PENDING) Use Level 2.0-3.5%

INCI: Water, Arginine, Levulinic Acid, P-Anisic Acid

Description: 100% biobased broad-spectrum antimicrobial for use in all formulations. Most effective between pH 4.5 and 5.5.

Efficacy spectrum:

gram+	gram-	yeast	mold
			

GreenGard™ LB (PATENT PENDING) Use Level 2.0-3.0%

INCI: Water, Arginine, Levulinic Acid, Benzoic Acid

Description: 100% biobased broad-spectrum antimicrobial for use in all formulations. Most effective between pH 4.5 and 5.5.

Efficacy spectrum:

gram+	gram-	yeast	mold
			

GreenGard™ A bio (PATENT PENDING) Use Level 0.7-1.5%

INCI: Water, Arginine, P-Anisic Acid

Description: Provides skin care benefits with strong fungicidal effects for all formulations. Derives its power from Thai basil, ensuring a 100% biobased, minimally processed form of p-anisic acid. Most effective between pH 4.5-5.5.

Efficacy spectrum:

gram+	gram-	yeast	mold
			

CONTINUED

GREENGARD™: ANTIMICROBIALS & CHELATION



GreenGard™ TBO (GLE-10028) Use Level 1.0-6.5%

INCI: Triethyl Citrate, Caprylyl Glycol, Benzoic Acid

Description: A broad-spectrum antimicrobial blend that is highly effective against Gram (+) (-) bacteria, and also is effective against yeast and mold.

GreenGard™ TBG (GLE-10023) Use Level 1.0-6.0%

INCI: Triethyl Citrate, Glyceryl Caprylate, Benzoic Acid

Description: A 100% natural, broad-spectrum, antimicrobial blend that is highly effective against Gram (+) & (-) bacteria and yeast and mold.

GreenGard™ DEO (GLE-10076) Use Level 0.3-1.0%

INCI: Sodium Caproyl/Lauroyl Lactylate, Triethyl Citrate, Salvia Officinalis (Sage) Oil

Description: A 100% natural blend of deodorizing and moisturizing emollients. Triethyl Citrate combined with sage oil effectively helps diminish bacteria by cleaving certain esters in sweat and and preventing the release of short chain fatty acids that can produce unpleasant odors.

GreenGard™ PA3 (GLE-10069) Use Level 0.05-0.2%

INCI: Sodium Phytate, Water, Alcohol

Description: Natural chelating agent from rice in liquid form and 1:1 disodium EDTA replacement. Forms a biodegradable complex with metal ions. Supplied as pH 2-4.

GreenGard™ PA12 (GLE-10070) Use Level 0.05-0.2%

INCI: Sodium Phytate

Description: Natural chelating agent from rice in liquid form and 1:1 tetrasodium EDTA replacement. Forms a biodegradable complex with metal ions. Supplied as pH 11-12.



RADIGARD™: ANTIOXIDANT PROTECTION

Radigard™ Product Line:

Provides a dependable shield against oxidation for various oils and serves as an excellent substitute for soy-based tocopherol. Based on rosemary extract, Radigard™ utilizes an advanced carnosic acid oxidation cascade, this extract adds several layers of protection to the oil phase of any formulation, ensuring that your products will last longer. Radigard™ is a valuable addition to protective body and face oils.

Radigard™ SN-R (GLE-10052) **Use Level** 0.1-1.0%

INCI: Helianthus Annuus (Sunflower) Seed Oil, Rosmarinus Officinalis (Rosemary) Leaf Extract

Radigard™ SF-R (GLE-10053) **Use Level** 0.1-1.0%

INCI: Carthamus Tinctorius (Safflower) Seed Oil, Rosmarinus Officinalis (Rosemary) Leaf Extract

Radigard™ CT-R (GLE-10017) **Use Level** 0.1-1.0%

INCI: Caprylic/Capric Triglyceride, Rosmarinus Officinalis (Rosemary) Leaf Extract

Organic Radigard™ CO-R (GLE-4234) **Use Level** 0.1-1.0%

INCI: Canola Oil, Rosmarinus Officinalis (Rosemary) Leaf Extract



ACTIVES

Inflamox™ Plus (GLA-11004)

Use Level 0.5-2.0%

INCI: Vaccinium Macrocarpon (Cranberry) Seed Oil, Rosmarinus Officinalis (Rosemary) Leaf Extract, Curcuma Longa (Turmeric) Root Extract, Zingiber Officinale (Ginger) Root Extract

Description: A lipophillic, anti-inflammatory active developed with ayurvedic principles. An in-vitro study demonstrated successful downregulation of inflammatory markers IL-6 and TNFa. In a consumer perception study, Inflamox Plus showed greater redness reduction than an untreated control starting at 4 hours but had the greatest effect at 8 hours.

Vivify™ Plus (GLA-11006)

Use Level 0.5-2.0%

INCI: Propanediol, Myrothamnus Flabellifolia Leaf/ Stem Extract, Aloe Ferox Leaf Extract

Description: A safeguard active for hair and skin featuring sustainably harvested leaves from Myrothamnus Flabellifolia and Aloe ferox sourced from the cape of South Africa. In-vitro scalp test showed a reduction in UV damage by more than 50% in HDPFC.

BioFer™ Sugar Kelp (GLA-11007)

Use Level 0.5-2.0%

INCI: Lactobacillus/Sugar Kelp Ferment Filtrate Lysate

Description: A skin firming active featuring a ferment of Laminaria Saccharina (Sugar Kelp) with L.plantarum sustainably farmed off the coast of Maine. Ex-vivo testing showed a marked improvement in skin elasticity within 2 hours with sustained improvement up to 8 hours. In-vitro testing validates results by showing a significant increase in collagen I up regulation.

NOTES:

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NOTES:



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