



Beauty Care Ingredients



INOLEX – Nature Approved

Forging a positive impact on people and planet by leading with innovation and committing to sustainability

The INOLEX innovation platform is guided by the Principles of Green Chemistry and life-cycle thinking. Our goal is to provide ingredients that deliver objective, measurable improvements in performance, consumer preference, and sustainability.

Guided by Green Chemistry

The 12 Principles of Green Chemistry serve as the framework for our ingredient development. This philosophy gives us the opportunity to build:

- **“Platformable” chemistries** for building **sustainable ingredient portfolios** to address a broad range of applications
- **Safe, smart chemistry** with sophisticated performance: **efficacy AND efficiency**
- Effective use of renewable, plant-based feedstocks; new **biobased alternatives**

INOLEX Products are...



RSPO: INOLEX is a proud member of the Roundtable on Sustainable Palm Oil (RSPO) and has achieved RSPO Supply Chain Certification. 100% of our palm-derived ingredients are available as RSPO Mass Balance.



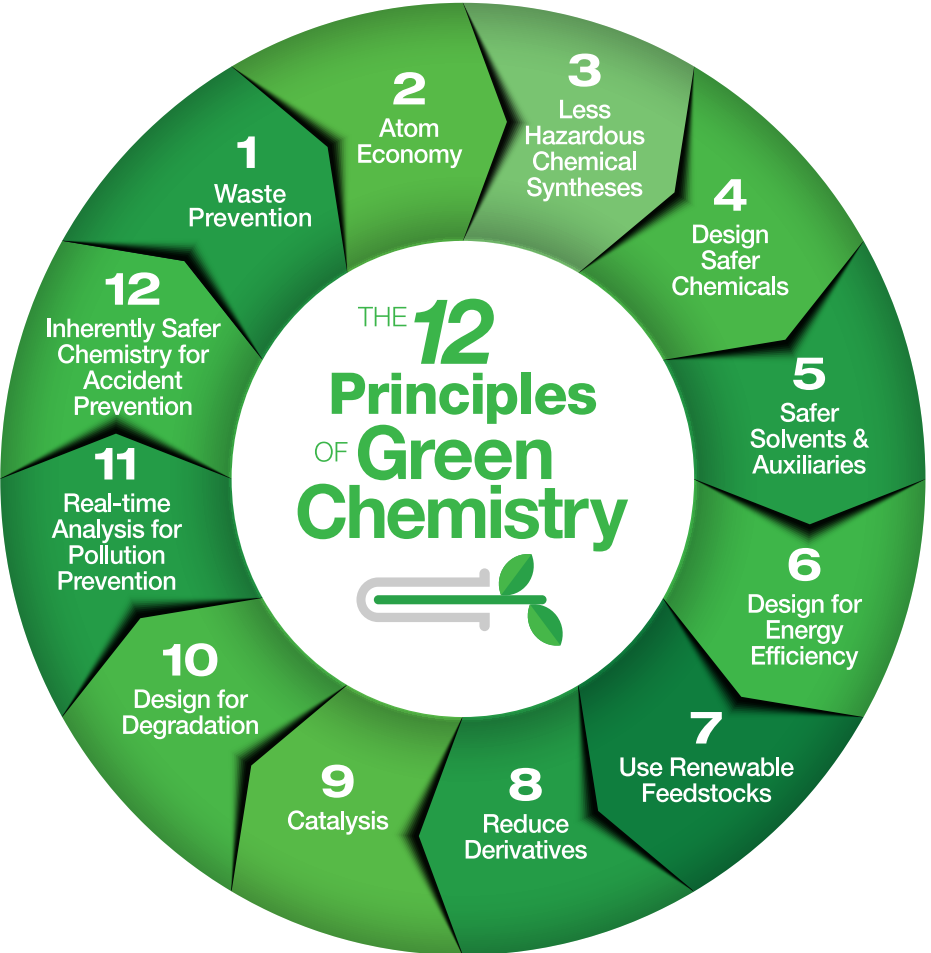
Traceable: INOLEX's Responsible Sourcing Sustainability Questionnaire establishes a standard to gather detailed information from our raw material vendors – in many cases, down to the plantations and mills where the raw materials are sourced, harvested and processed.



Vegan: INOLEX is committed to animal welfare and our portfolio exemplifies this commitment. Our complete portfolio is vegan-friendly. We do not sell animal products or animal-derived products and we do not test our products on animals.



Halal & Kosher Compliant: INOLEX strives to make our high performance technologies accessible to all. Our product portfolio is compliant with Halal and Kosher requirements.



WHAT IS?

100% Natural

INOLEX technologies are designed with the goal of having 100% natural content. All technologies carrying this symbol contain 100% plant-based carbon, are certified by the USDA BioPreferred Program, and are manufactured using the Principles of Green Chemistry.

ECOCERT

ECOCERT is an international body which inspects natural ingredients and the natural and ecological quality of cosmetic products. Raw materials must be obtained from renewable, eco-friendly sources and carefully processed. INOLEX products with this marking are Ecocert Approved or awaiting approval.

NSF - Organic Ingredients

The National Sanitation Foundation certifies formulations as Containing Organic Ingredients under the NSF/ANSI 305 certification. Ingredients meeting the NSF/ANSI 305 criteria are approved for use in certified formulations. INOLEX products with this marking are acceptable for use in NSF/ANSI 305 certified personal care products or pending acceptance verification.

Non-Palm Derived

INOLEX recognizes the value in reducing the cosmetic industry's dependence on palm and the performance benefits that alternative plant sources can bring to ingredients. INOLEX was the first to introduce a palm-alternative product line under the SustOleo™ tradename and we provide over 40 products from non-palm sources across our product portfolio. INOLEX products with this marking do not contain any palm or palm derivatives.

USDA Certified Biobased

The USDA BioPreferred® Program certifies percent biobased content using an ASTM test method for analysis of New Organic Carbon. INOLEX products with this marking have achieved or are in process of third-party verification of biobased content and USDA BioPreferred certification.

COSMOS

The COSMOS-standard is a widely used organic and natural cosmetics standard. Raw materials that contain organic content or are manufactured according to the COSMOS-standard can achieve COSMOS-standard approval. INOLEX products with this marking are COSMOS Approved or awaiting approval.

China IECIC Listed

The China Food and Drug Administration (CFDA) issued an Inventory of Existing Cosmetic Ingredients in China (IECIC). Ingredients not listed in this inventory are regarded as new cosmetic ingredients and must be approved by the CFDA before they can be used in cosmetics in China. INOLEX products with this marking are listed in the IECIC.

Whole Foods

Whole Foods Market, America's Healthiest Grocery Store™, evaluates the quality of the personal care products they sell in terms of ingredients, experience and efficacy. The Whole Foods Premium Body Care Standard includes a list of 400+ ingredients that are not allowed in body care products they sell. INOLEX products with this marking do not appear on this list and are therefore compliant with Whole Foods Premium Body Care Standard.

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Sensory Enhancers

= 100% Natural; = USDA Certified Biobased

Silicone Alternatives

LexFeel™ D4	> neopentyl glycol diheptanoate (and) isododecane	> cyclotetrasiloxane (D4) alternative		
LexFeel™ D5	> neopentyl glycol diheptanoate (and) isododecane	> cyclopentasiloxane (D5) alternative		
LexFeel™ Shine	> propylene glycol dibenzoate	> phenyltrimethicone alternative with high refractive index and shine		
LexFeel™ 7	> neopentyl glycol diheptanoate	> light emollient for tack reduction and reduced whitening; excellent solubilizer for uv filters		
LexFeel™ 21 MB	> trimethylolpropane tricaprylate/tricaprate	light initial feel with elegant after-feel; ideal for skin care and conditioning shampoo formulations (84% biobased content)		
LexFeel™ 350	> dipentaerythryl hexa c5-9 acid esters	> pigment dispersant and medium viscosity emollient with substantial cushion and a long-lasting non-greasy after-feel		
LexFeel™ 700 MB	> polyester-4	> superior castor oil alternative that adds cushion and shine and enhances stability		



= China IECIC Listed = NSF = EcoCert = Non-Palm = COSMOS = WF

Natural Sensory Enhancers

= 100% Natural; = USDA Certified Biobased

Natural Silicone Alternatives

LexFeel™ N5 MB	> diheptyl succinate (and) capryloyl glycerin/sebacic acid copolymer	100% natural dimethicone (5 cst) alternative	
LexFeel™ N20 MB	> diheptyl succinate (and) capryloyl glycerin/sebacic acid copolymer	100% natural dimethicone (20 cst) alternative	
LexFeel™ N50 MB	> diheptyl succinate (and) capryloyl glycerin/sebacic acid copolymer	100% natural dimethicone (50 cst) alternative	
LexFeel™ N100 MB	> diheptyl succinate (and) capryloyl glycerin/sebacic acid copolymer	100% natural dimethicone (100 cst) alternative	
LexFeel™ N200 MB	> diheptyl succinate (and) capryloyl glycerin/sebacic acid copolymer	100% natural dimethicone (200 cst) alternative	
LexFeel™ N350 MB	> diheptyl succinate (and) capryloyl glycerin/sebacic acid copolymer	100% natural dimethicone (350 cst) alternative with hair color protection benefits	
LexFeel™ WOW-A	> triheptanoin (and) c13-15 alkane	100% natural cyclomethicone alternative with a light and luxurious skin feel	
LexFeel™ WOW-A DT	> c13-15 alkane (and) heptyl undecylenate	100% natural cyclomethicone alternative with a light and luxurious dry touch skin feel	

Natural Emollients

LexFeel™ Natural	> heptyl undecylenate	light and dry emollient with excellent spreadability	
SustOleo™ MCT	> triheptanoin	coconut and castor oil derived emollient; disperses pigment and gives a light and nourishing after-feel	
SustOleo™ DCS	> diisooctyl succinate	light and dry emollient with excellent pigment dispersion	



Enhance. Texturize. Emulsify.

Create unique textures and stable emulsions with sustainable, palm-free, and PEG-free formulation essentials

Natural Sensory Enhancers non-palm derived

= USDA Certified Biobased
 = 100% Natural; USDA Certified Biobased

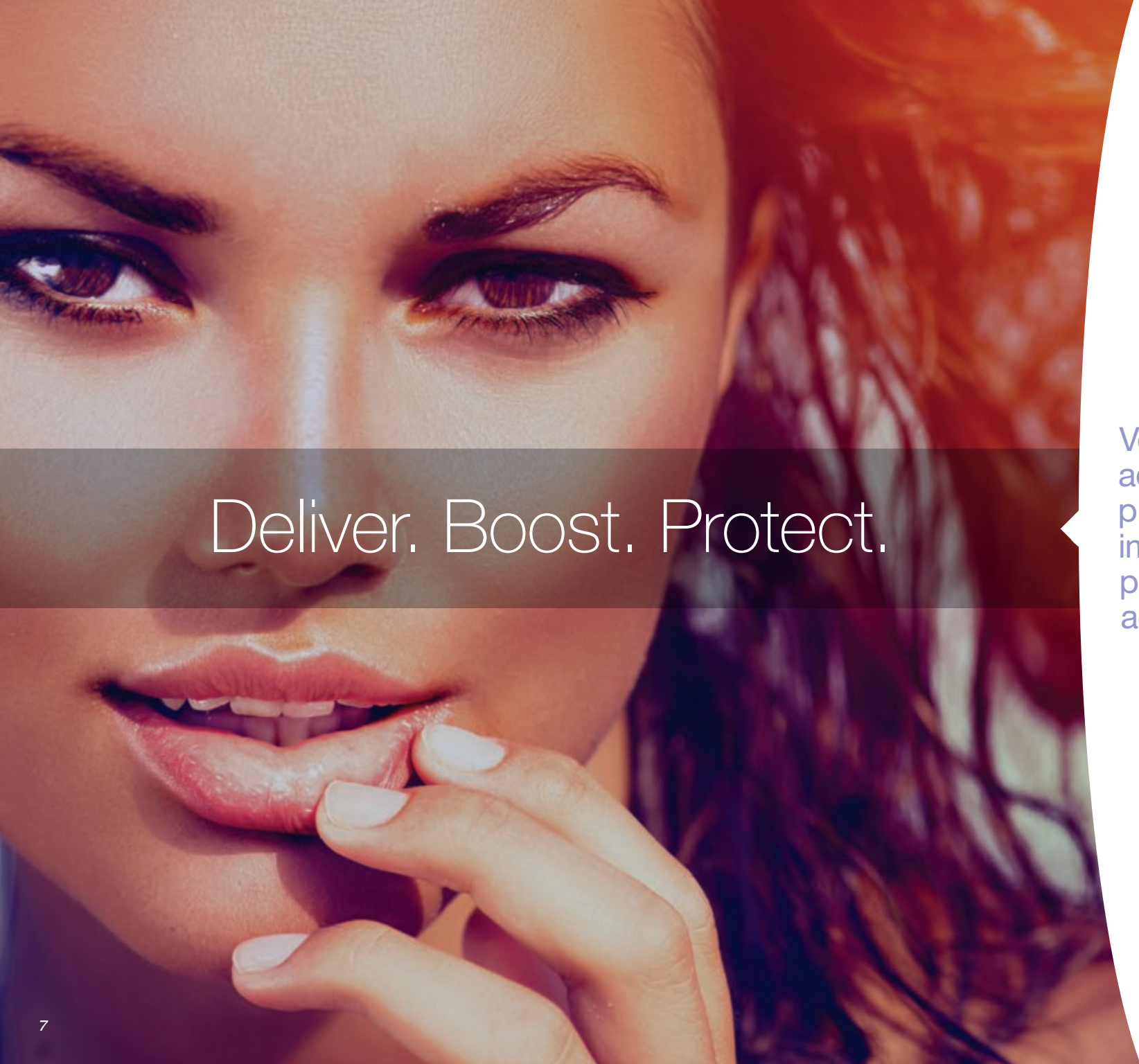
Natural Texturizers

SustOleo™ TL	> trilaurin	coconut oil-derived all-natural solid powder emollient; melts at skin temperature and gives a soft powdery feel	
SustOleo™ TSB	> hydrogenated rapeseed oil	all-natural texturizing agent derived from brassica seed oil with a buttery texture and moisturized after-feel	
SustOleo™ BG	> brassica glycerides	non-palm all-natural co-emulsifier derived from brassica seed oil and coconut oil; provides soft texture and improves pickup	
SustOleo™ BA	> brassica alcohol	brassica seed oil-derived all-natural texturizer and viscosity builder	

Natural Emulsifiers

AminoSensyl™ SC	> brassica alcohol (and) brassicyl valinate esylate (and) brassica glycerides	100% natural self-emulsifying system for high oil load emulsions with a soft & velvety skin feel	
SustOleo™ 1822	> brassicamidopropyl dimethylamine	sensory modifying cationic emulsifer and skin conditioning agent derived from brassica seed oil (83% biobased content)	
SustOleo™ GMS	> glyceryl stearate	non-palm, all-natural, and non-GMO viscosity building co-emulsifier derived from olive oil and coconut oil	
SustOleo™ GMS-SE	> glyceryl stearate se	non-palm, all-natural, and non-GMO self-emulsifying co-emulsifier derived from olive oil and coconut oil	

NOTES:

















Deliver. Boost. Protect.

Versatile and
advanced polymer
platforms for
improved
performance
across categories







Sun Care

 = USDA Certified Biobased
 = 100% Natural; USDA Certified Biobased




















Film Formers

WetFilm™ MB	> trimethylpentanediol/adipic acid/glycerin crosspolymer	> water-resistant film former that remains clear on wet skin; compatible with alcohol-based systems		
LexFilm™ Sun	> polyester-7 (and) neopentyl glycol diheptanoate	> water-resistant film former and UV filter solubilizer		 
LexFilm™ Sun Natural MB	> capryloyl glycerin/sebacic acid copolymer	 100% natural and readily biodegradable film former for water-resistant sun care with improved SPF performance	 	 
LexFilm™ Spray	> polyester-10 (and) propylene glycol dibenzoate	> water-resistant film former and UV filter solubilizer for alcohol-based spray applications		 
Lexorez™ 100 MB	> adipic acid/diglycol crosspolymer (formerly adipic acid/diethylene glycol/glycerin crosspolymer)	> pourable water-resistant film former that provides a flexible film on skin		

UV Filter Solubilizers

LexSolv™ A	> neopentyl glycol diheptanoate (and) propylene glycol dibenzoate	> superior solubilizer for UV filters		 
LexFeel™ 7	> neopentyl glycol diheptanoate	> light emollient for tack reduction and reduced-whitening; excellent solubilizer for UV filters		 

Skin Care & Color Cosmetics

LexFeel™ Vibrant MB	> palm acid/adipic acid/pentaerythritol crosspolymer	 sensory and texture modifying agent that provides superior color payoff and vibrancy (82% biobased content)		
LipFeel™ Natural MB	> capryloyl glycerin/sebacic acid copolymer	 100% natural moisturizer and gloss enhancer	  	
Lexorez™ 100 MB	> adipic acid/diglycol crosspolymer	> pourable film former for flexible films and improved transfer resistance		
Lexorez™ 200 MB	> trimethylpentanediol/adipic acid/glycerin crosspolymer	> pourable film former for flexible films and improved transfer resistance		
Vellaplex™ MB	> capryloyl glycerin/sebacic acid copolymer	 100% natural polymer for flexible films and skin moisturization	  	
Lexorez™ TL-8	> trimethylpentanediol/adipic acid copolymer	> active delivery system for enhanced active efficacy		 

































Condition. Perform. Sustain.

Cutting edge cationics and polyesters enable next-generation, high performance, and sustainable hair care

Hair Care

Conditioner & Treatments

AminoSensyl™ HC	> brassica alcohol (and) brassicyl valinate esylate	 100% natural and quat-free amino lipid based hair care system for strengthened hair, and a smooth & defined appearance	   
Emulsense™ HC	> brassicyl isoleucinate esylate (and) brassica alcohol	 100% natural and quat-free amino lipid conditioning system	    
Kerabase™ MB	> brassica alcohol (and) brassicamidopropyl dimethylamine (and) polyester-11 (and) aspartic acid (and) EDTA	 superior conditioning to CTAC in a complete conditioning ingredient package (95% biobased content)	
Kerabase™ LC MB	> cetearyl alcohol (and) brassicamidopropyl dimethylamine (and) aspartic acid (and) EDTA	 conditioning formulation package with wet combing and fly-away reduction benefits (98% biobased content)	
Kerazyme™ MB	> polyester-11	> superior conditioning and color retention for shampoo and leave-in conditioning products	 
ProCondition™ 22	> brassicamidopropyl dimethylamine	 naturally-derived conditioning agent with excellent combing performance (83% biobased content)	 
Lexamine™ S-13 MB	> stearamidopropyl dimethylamine	 traditional conditioning agent for rinse-off and leave-in conditioning applications (81% biobased content)	
Shampoo			
ClariSilk™	> polyester-37	> quat-free alternative to traditional conditioning polymers for clear conditioning shampoos	 
Kerazyme™ MB	> polyester-11	> superior conditioning and color retention for shampoo and leave-in conditioning products	 
ProCondition™ 22	> brassicamidopropyl dimethylamine	 naturally-derived conditioning agent with excellent combing performance (83% biobased content)	 
Lexamine™ S-13 MB	> stearamidopropyl dimethylamine	 traditional conditioning agent for rinse-off and leave-in conditioning applications (81% biobased content)	
Lexquat™ C-PF MB	> cocamidopropyl pg-dimonium chloride	> cationic conditioning agent for surfactant systems	

Local. Sustainable. Traceable.



We know our farmers,
and we invite you
to know them too.

PhytoTrace™ extracts
offer complete
supply-chain
transparency,
from growers whose
care for their terroir is
matched only by the
ideal growing climate
of Provence, France

Traceable Extracts

USDA Certified Biobased
100% Natural; USDA Certified Biobased

PhytoTrace™ Carrot	> daucus carota sativa (carrot) root extract (and) helianthus annuus (sunflower) seed oil	> sunflower oil macerate; emollient		
PhytoTrace™ Fig	> ficus carica (fig) fruit extract (and) glycerin (and) water	> hydroglycerin macerate; humectant		
PhytoTrace™ Lemon Verbena	> lippia citriodora (lemon verbena) leaf extract (and) glycerin (and) water	> hydroglycerin macerate; humectant		
PhytoTrace™ Olive	> olea europaea (olive) leaf extract (and) glycerin (and) water	> hydroglycerin macerate; humectant		
PhytoTrace™ Rice	> oryza sativa (rice) extract (and) glycerin (and) water	> hydroglycerin macerate; humectant		
PhytoTrace™ Saffron	> crocus sativus (saffron) flower extract (and) glycerin (and) water	> hydroglycerin macerate; humectant		

Cosmetic
Benefits & Usage
PhytoTrace™

	ANTIAGING	ANTIGLYCATION	ANTIMICROBIAL	ANTIOXIDANT	ANTITHERMIC	ANTI-INFLAMMATORY	BRIGHTENING	CALMING	DEPIGMENTING	HEALING	HYDRATING	INVIGORATING	NOURISHING	OCCLUSIVE	PRESERVATIVE BOOSTER	REDNESS CORRECTOR	REFRESHING	REGENERATOR	RE-JUVENATING	REPELLENT	RESTRUCTURING	SCAVENGING	SOFTENER	SOOTHING	SPF BOOSTER
Carrot	○	○	○		○				○	○	○	○	○					○	○		○		○	○	
Fig	○		○	○	○		○		○	○	○	○			○	○	○			○	○	○	○		
Lemon Verbena	○	○	○	○	○		○			○				○	○	○	○		○		○	○	○		
Olive	○	○	○	○	○				○	○	○			○	○	○	○	○		○	○				○
Rice	○		○		○	○	○				○	○	○		○		○				○	○	○		
Saffron	○		○		○	○	○	○		○	○						○				○				

NOTES:

Alternative Preservation via Hurdle Technology

INOLEX knows it's critically important that cosmetics are protected from microorganisms to ensure product longevity and user safety. The Hurdle Technology approach rethinks traditional preservation. Instead of using one powerful preservative, multiple barriers to microbial growth (or “hurdles”), can be established to keep microorganisms in check. INOLEX’s Alternative Preservation portfolio includes individual ingredients and complete systems that work with your formulations’ microbial growth “hurdles” to provide broad spectrum antimicrobial control.






Multifunctional Components

Lexgard® O	> caprylyl glycol	> humectant with antimicrobial boosting properties	●	●	●
Lexgard® O-LO	> caprylyl glycol	> humectant with antimicrobial boosting properties and ultra-low odor	●	●	●
Lexgard® E	> ethylhexylglycerin	> skin conditioning agent and preservation enhancer	●	●	●
Lexgard® H	> 1,2 -hexanediol	> humectant with antimicrobial boosting properties	●	●	

Traditional Systems

Aromastat™	> caprylhydroxamic acid (and) phenethyl alcohol (and) glycerin	> broad spectrum preservation boosting effect at pH 4-8	●		●
Lexgard® GCP MB	> phenethyl alcohol (and) glyceryl caprylate	> optimized combination for preservative-free products	●		●
Lexgard® NAP	> caprylyl glycol (and) phenethyl alcohol	> optimized combination for preservative-free products	●	●	●
Phenostat™	> caprylhydroxamic acid (and) phenoxyethanol (and) methylpropanediol	> broad spectrum preservation at pH 4-8	●		●
Lexgard® HPO	> caprylyl glycol (and) phenoxyethanol (and) hexylene glycol	> traditional preservation approach with boosted performance	●	●	
Benzostat™	> caprylhydroxamic acid (and) benzyl alcohol (and) glycerin	> broad spectrum preservation boosting effect at pH 4-8	●		●

100% Natural

Spectrastat™ G2 Natural MB	> caprylhydroxamic acid (and) glyceryl caprylate (and) glycerin	 100% natural and broad spectrum preservation effects from pH 4-8 using the Hurdle Technology approach	●		●
Zeastat™	> caprylhydroxamic acid (and) propanediol	 100% natural broad spectrum preservation boosting effect at pH 4-8	●		
Lexgard® Natural MB	> glyceryl caprylate (and) glyceryl undecylenate	 100% natural combination for preservation effects	●	●	●
Lexgard® GMCY MB	> glyceryl caprylate	 100% natural preservation enhancer with 85% monoester content	●	●	●
Lexgard® Natural GC88 MB	> glyceryl caprylate	 100% natural preservation enhancer with 88% monoester content	●	●	●

Universal

Spectrastat™	> caprylhydroxamic acid (and) caprylyl glycol (and) glycerin	> broad spectrum preservation effects from pH 4-8	●		●
Spectrastat™ E	> caprylhydroxamic acid (and) ethylhexylglycerin (and) methylpropanediol	> broad spectrum preservation effects from pH 4-8	●		●









Cold Processable

Spectrastat™ PHL	> caprylhydroxamic acid (and) 1,2 -hexanediol (and) propanediol	> broad spectrum preservation effect with high water solubility for sensitive skin applications	●		
Spectrastat™ BHL	> caprylhydroxamic acid (and) 1,2 -hexanediol (and) butylene glycol	> broad spectrum preservation effect with high water solubility; ideal for sensitive skin applications	●		
Spectrastat™ PG	> caprylhydroxamic acid (and) propylene glycol	> broad spectrum preservation boosting effect from pH 4-8 with high water solubility	●		
Spectrastat™ OL	> caprylhydroxamic acid (and) caprylyl glycol (and) propanediol	> broad spectrum preservation effects in a easy-to-use liquid form	●		
Spectrastat™ OEL	> caprylhydroxamic acid (and) caprylyl glycol (and) ethylhexylglycerin (and) propanediol	> broad spectrum preservation effects in a easy-to-use liquid form	●		
Lexgard® OE90	> caprylyl glycol (and) ethylhexylglycerin	> optimized combination for cold processable self-preserving products	●	●	●
Lexgard® OE70	> caprylyl glycol (and) ethylhexylglycerin	> optimized combination for cold processable self-preserving products	●	●	●

Emollients

High quality industry standard emollients

 = USDA Certified Biobased
 = 100% Natural; USDA Certified Biobased

Lexol™ EHP MB	 ethylhexyl palmitate (69% biobased content)	●	●	Lexol™ IPM-NF MB	 isopropyl myristate (84% biobased content)	●	●
Lexol™ EHS MB	 ethylhexyl stearate (70% biobased content)	●	●	Lexol™ IPP MB	 isopropyl palmitate (86% biobased content)	●	●
Lexol™ PG-800	> propylene glycol diethylhexanoate	●	●	Lexol™ IPP-NF MB	 isopropyl palmitate (86% biobased content)	●	●
Lexol™ PG-865 MB	 propylene glycol dicaprylate/dicaprate (88% biobased content)	●	●	Lexol™ NBS MB	 butyl stearate (84% biobased content)	●	●
Lexol™ GT-865 MB	 caprylic/capric triglyceride	●	●				

Emulsifiers

High quality industry standard emulsifiers

Lexemul® 515 MB	 glyceryl stearate	●	●	Lexemul® EGDS MB	 glycol distearate (97% biobased content)	●	●
Lexemul® 561 MB	> glyceryl stearate (and) peg-100 stearate	●		Lexemul® EGMS MB	 glycol stearate (95% biobased content)	●	●
Lexemul® AR MB	> glyceryl stearate (and) stearamidoethyl diethylamine			Lexemul® P MB	 propylene glycol stearate se (93% biobased content)	●	
Lexemul® AS MB	> glyceryl stearate (and) sodium lauryl sulfate	●		Lexemul® T MB	 glyceryl stearate se	●	●

Surfactants

High quality industry standard surfactant

Lexaine™ C MB	> cocamidopropyl betaine	●	● = China IECIC Listed	● = NSF	● = EcoCert	● = Non-Palm	● = COSMOS	● = WF
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30% post-consumer waste recycled fiber

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