



TC USA

INGREDIENTS OF NATURAL ORIGIN

Product Catalogue 2025



ABOUT

TC USA designs and executes innovative ideas by consistently leveraging its global resources. Constantly assessing the market, identifying the trends and anticipating the consumer's needs, TC USA delivers unique solutions and stays ahead of the competition. Our expertise in ingredient development technologies and formulating knowhow, enables us to create customized solutions tailored to your specific requirements. We will take your concept and turn it into a market ready product.

OUR ADVANTAGE

PATENTED CHEMISTRY, BOUTIQUE SOLUTIONS

We don't duplicate what others have already done. Our expertise in ingredient technology enables us to generate customized solutions for specific challenges. All of our Ingredients of Natural Origin are ISO 16128 Compliant, and the majority are also EcoCert/ COSMOS Approved or pending on the newer ones. All of our chemistries are protected Intellectual Property through patents on composition and end use or trade secret.

OUR ADVANTAGE

FAST TO INNOVATE, FREEDOM TO EVALUATE

We're a go-to partner for those in the know. Our ability to quickly assess the market and identify its needs allows us to deliver unique ingredients before the rest. Because we are proprietary and independent, we can quickly move from concept to product.

OUR ADVANTAGE

RELIABLE PARTNER, GLOBAL FOOTPRINT

With global distribution partners in more than 30 countries, we are able to assess regional trends, and requirements, leverage internal resources as a member of the Tennant's Group (est. 1797) to assist in realizing our innovative initiatives to support our global presence.

CORE COMPETENCY

For more information on what our ingredients can do for you, contact us at: salesinfo@tc-usa.com

Functionalized natural sourced intermediates

Enhance skin texture with natural complexes

Apply natural chemistry to improve product properties

Eliminate the use of synthetic ingredients

Innovate natural product development solutions

Design formulations to meet the new marketing trends

Discover brand-specific solutions at Concept to Reality Lab

Realize your concept, from idea to product. We bring your next natural product concept to reality. Learn more at <https://concepttorealitylab.com/>



INGREDIENTS OF NATURAL ORIGIN

CONTENTS

Ingredient Platforms

Natural Sensory Complexes™

Natural Moisturizing Complexes™

Natural Film Formers

Functional Cleansing Additives

China Exclusive Products



Concepts & Guides

Micellar Systems

T.I.F.™ Concept

Formulation Guide

All the Products listed in this Catalogue meet the following Designations:



NATURAL SENSORY COMPLEXES™

SENSORY

ESSACHEM®
O

INCI: Octyldodecyl Olivat

The ESSACHEM® O is a Natural Sensory Complex™ designed to offer exceptional sensory properties for skin and hair. It is an ideal light & fast absorbing emollient to enhance skin hydration while providing the formulation with a natural complex to deliver a long lasting, non-tacky soft after feel that will provides protection to the skin. This Natural Sensory Complex™ will also aid in dispersing inorganic materials for pigmented systems and sun care applications.

ESSACHEM® O is your ideal, cost effective natural sensory additive to use as a partial replacement for olive squalane in skin and hair care applications.



COSMOS
APPROVED

KEY FEATURES

- A soft long lasting after feel
- Enhanced skin hydration
- Good dispersing aid for pigmented systems
- Non-greasy, medium texture emollience
- Partial functional replacement to squalane

TECHNICAL INFORMATION

Physical Form:	Liquid
Actives:	100 %
Use Level:	2 - 25 %
Refractive Index:	1.44 - 1.48

COMPLIANCE ECOCERT: COSMOS v4
REACH: UVCB
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000

SENSORY

ESSACHEM®
EH

INCI: Octyldodecyl Olivat, Caprylic/Capric Triglyceride

The ESSACHEM® EH is a Natural Sensory Complex™ designed to offer lighter sensory properties than the ESSACHEM® O, for skin and hair. The ESSACHEM® EH is ideal to enhance the skin's moisturizing profile while providing the formulation with a soft natural complex to deliver a non-tacky after feel that will provide protection to the skin. This Natural Sensory Complex™ will also aid in dispersing inorganic materials for pigmented systems and sun care applications.

ESSACHEM® EH is your ideal, natural sensory additive for face and body applications.



COSMOS
APPROVED

KEY FEATURES

- A soft light after feel
- Excellent dispersing aid for pigmented systems
- Non-greasy, light texture emollience
- Functional alternative to alkanes

TECHNICAL INFORMATION

Physical Form:	Liquid
Actives:	100 %
Use Level:	3 - 25 %
Refractive Index:	1.43 - 1.47

COMPLIANCE ECOCERT: COSMOS v4
REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000

NATURAL SENSORY COMPLEXES™

SENSORY

ESSACHEM®
J

INCI: Jojoba esters

ESSACHEM® J is a unique jojoba dry, Natural Sensory Complex™ derived from Jojoba seed designed to offer an extremely soft, powdery and dry, sensory profile that is non-greasy for skin and hair applications. It is your ideal choice as a delivery system for essential oils to the skin, enhanced feel, without the heavy spread profile. It provides a soft silky conditioning effect in haircare formulations without creating a heavy greasy texture upon application

The ESSACHEM® J offers dry sensory and dispersing properties for inorganic materials that will not compromise the target texture required for facial applications.



COSMOS
APPROVED

KEY FEATURES

- Dry powdery spread
- Dry sensory dispersing properties
- Non-greasy, light texture emollient
- Light conditioning for hair
- 100 % active polymer

TECHNICAL INFORMATION

Physical Form: Liquid
Use Level: 3 - 25 %
Molecular Weight: 1,490 Da

COMPLIANCE ECOCERT: COSMOS v4
REACH: Polymer
EU Reg. 2023/2055 Exempt
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000

SENSORY

ESSACHEM®
AR-5

INCI: Octyldodecyl Oleate, Argania Spinosa Kernel Oil.

The ESSACHEM® AR-5 is designed to offer exceptional, dry sensory properties for both skin and hair. This unique complex is an ideal complement, or substitute to traditional argan oil in formulations. It offers many of the same properties as argan oil, but is fast absorbing, with lighter spreading properties and no greasy after-feel, commonly associated with argan oil. It offers non-comedogenic emollient, promoting elasticity, leading to reduced sagging and wrinkle effects. In hair care, it can function as a non-greasy deep conditioner, providing shine, leaving the hair soft and moisturized without unwanted residue after rinse-off.

The ESSACHEM® AR-5 is an ideal substitute to alkanes and traditional argan oil, offering emolliency, conditioning and softness in helping to promote healthy skin and hair.



COSMOS
APPROVED

KEY FEATURES

- Light & dry non-greasy spread profile
- Soft conditioning and shine to hair & skin
- Essential fatty acids, Omega-6
- Delivery of natural anti-oxidants
- Functional alternative to alkanes

TECHNICAL INFORMATION

Physical Form: Liquid
Actives: 100 %
Use Level: 3 - 8 %
Refractive Index: 1.45 - 1.47

COMPLIANCE ECOCERT: COSMOS v4
REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000



NATURAL SENSORY COMPLEXES™

SENSORY

ESSACHEM®
PVL



INCI: Octyldodecyl Plukenetia Volubilis Seedate

ESSACHEM® PVL is a new, ultra-dry Natural Sensory Complex™ derived from Sacha Inchi Seed Oil, of the Plukenetia Volubilis plant native to the Amazon jungles of Peru. The oil is known to be one of the richest sources of omega fatty acids from any plant. This super absorbing Natural Sensory Complex™ is rich in beneficial fatty acids (Omega-3, 6 & 9) and is an ideal delivery system for naturally occurring Vitamin-A and Vitamin-E (alpha & gamma-tocopherols) to the surface of the skin.

ESSACHEM® PVL's feel and texture makes it an ideal alternative to a 50 cSt silicone fluid, enriched with natural skin protecting benefits.

KEY FEATURES

- Ultra-dry non-greasy sensory feel
- Enriched spread and light texture emollience
- Essential fatty acids, Omega-3, 6 & 9
- Delivery of natural vitamins & anti-oxidants
- Functional alternative to alkanes
- Silicone fluid alternative

TECHNICAL INFORMATION

Physical Form:	Liquid
Actives:	100 %
Use Level:	0.25 - 15 %
Refractive Index:	1.43 - 1.47

COMPLIANCE ECOCERT: In Process (COSMOS v4)
REACH: UVCB

ISO 16128 I_{NO} = 1.000

SENSORY

ESSACHEM®
SILK-100



Proposed INCI: Octyldodecyl Olivatate, Caprylic/Capric Triglyceride, Polyglyceryl-3 Stearate/Isostearate Dimer Dilinoleate Crosspolymer

The ESSACHEM® SILK-100 is a new and novel Natural Sensory Complex designed as a 1:1 drop-in replacement for dimethicone 100 cSt in skin and hair care preparations and colour cosmetic formulations. It marries the light, fast absorbing dry emollient attributes of the ESSACHEM® EH with the barrier properties and distinctive skin aesthetics, of a unique proprietary natural polyester polymer. This enhanced natural complex provides outstanding non-comedogenic sensory and barrier characteristics to both skin and hair. Its barrier forming properties provide a non-tacky film with enhanced spreading abilities. The complex provides remarkable non-greasy sensory attributes on the skin with a soft silky feel.

The ESSACHEM® SILK-100, is your natural origin ingredient for replacement of 100 cSt dimethicone with superior skin aesthetics and "silicone-free" claims.

KEY FEATURES

- Light, non-greasy, soft silky feel
- Non-tacky, enhanced spread
- Non-comedogenic
- Forms protective film on skin

TECHNICAL INFORMATION

Physical Form:	Liquid
Actives:	100 %
Use Level:	1 - 50 %
Refractive Index:	1.44 - 1.47

COMPLIANCE ECOCERT: In Process (COSMOS v4)
REACH: Mixture (UVCB/Polymer)
EU Reg. 2023/2055 Exempt

ISO 16128 I_{NO} = 1.000



NATURAL SENSORY COMPLEXES™

SENSORY

**ESSACHEM®
EH-D**



INCI: Octyldodecyl Olivatate, Caprylic/Capric Triglyceride, Bis-Octyldodecyl Dimer Dilinoleate/Propanediol Copolymer

The ESSACHEM® EH-D is a new and novel Natural Dispersion and Sensory Complex designed to aid in the dispersion of inorganic materials for pigmented systems in colour cosmetic and sun care applications. It marries the light sensory emollient and dispersion attributes of the ESSACHEM® EH with the superior dispersing and film forming properties of a unique proprietary natural polyester polymer. This natural complex provides enhanced pigment dispersion with increased water resistance while delivering a light buttery sensory after-feel to the skin. In sun care applications it has excellent performance characteristics with both treated and untreated mineral sunscreen actives. In colour systems it provides enhanced performance characteristics, especially on aluminum lakes, providing a more uniform pigment deposition on the skin or lips.

ESSACHEM® EH-D is your ideal, natural sensory and dispersion additive for colour cosmetic and sun care applications.

KEY FEATURES

- Light, non-greasy, soft silky feel
- Non-tacky, enhanced spread
- Non-comedogenic
- Forms protective film on skin

TECHNICAL INFORMATION

Physical Form:	Liquid
Actives:	100 %
Use Level:	1 - 50 %
Refractive Index:	1.44 - 1.47

COMPLIANCE ECOCERT: In Process (COSMOS v4)
REACH: Mixture (UVCB/Polymer)
EU Reg. 2023/2055 Exempt

ISO 16128 |_{NO} = 1.000

REGIONAL AVAILABILITY





NATURAL SENSORY COMPLEXES™

SENSORY

ESSACHEM®
SOW



COSMOS
APPROVED

INCI: Stearyl Olivatate

The ESSACHEM® SOW is a Natural Sensory Complex™ designed to offer exceptional sensory properties for skin and hair. It will liquefy on contact with the skin delivering a natural transition of spread, and leaving a soft smooth silky after feel. This Natural Sensory Complex™ will enhance the skin's moisture levels without leaving a greasy, non-absorbing texture and deliver a long-lasting, non-tacky after feel that will provide protection to the skin. ESSACHEM® SOW can provide excellent lubricating properties for the hair that will not impart heavy buildup when applied.

ESSACHEM® SOW is ideal to enhance delivery of a soft transition of spread due to its low melting point profile.

KEY FEATURES

- Liquefies on skin contact
- Provides a soft, non-greasy cushion
- Auxiliary oil thickening & structuring properties
- Enhances skin's moisturizing properties
- Aids re-fatty of skin & delivers lubricity to hair
- Delivers long lasting, non-tacky after feel

TECHNICAL INFORMATION

Physical Form:	Solid
Actives:	100 %
Use Level:	1 - 8 %
Melt Point:	45 - 55 °C

COMPLIANCE ECOCERT: COSMOS v4
REACH: UVCB

ISO 16128 I_{NO} = 1.000

SENSORY

ESSACHEM®
BW



COSMOS
APPROVED

INCI: Behenyl Olivatate

ESSACHEM® BW is a solid Natural Sensory Complex™ derived from Olive oil, which is highly emollient on spread and ideal for use in oil-in-water emulsions as well as anhydrous formulations. This Natural Sensory Complex™ will improve skin suppleness and conditioning properties of the hair while offering improved stabilizing properties to the oil phase of the formulation. It will thicken polar oils in the oil- phase, and provide enhance structuring while leaving a soft silky non-greasy after feel on spread.

ESSACHEM® BW is ideal for modifying the rheology properties of O/W emulsions to enhance high temperature stability profiles, and offer gelling properties to anhydrous formulations.

KEY FEATURES

- Thickening/gelling of natural polar oils
- Oil-phase structuring
- Imparts a soft, silky cushion on skin
- Enhanced film integrity
- Delivers a light conditioning profile on hair
- Excellent alternative to synthetic waxes

TECHNICAL INFORMATION

Physical Form:	Solid
Actives:	100 %
Use Level:	2 - 8 %
Melt Point:	50 - 60 °C

COMPLIANCE ECOCERT: COSMOS v4
REACH: UVCB

ISO 16128 I_{NO} = 1.000



NATURAL MOISTURIZING COMPLEXES™

MOISTURIZING

Zenibee Cream®

INCI: Octyldodecanol, Beeswax

Zenibee Cream® is a soft Natural Moisturizing Complex™ derived from coconut oil and beeswax, yielding a natural moisturizer and film former with a soft silky spread. Zenibee Cream® has been specifically designed for skin care applications, requiring all natural moisturization.

Zenibee Cream® is an ideal alternative to synthetic moisturizers.



COSMOS
APPROVED

KEY FEATURES

- All-natural deep moisturizer
- Non-greasy effect
- Liquifies on skin contact

TECHNICAL INFORMATION

Physical Form:	Solid
Actives:	100 %
Use Level:	2 - 10 %
Melt Point:	35 - 45 °C

COMPLIANCE ECOCERT: COSMOS v4
REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000

MOISTURIZING

Zeniveg®

INCI: Octyl dodecanol, Cetearyl Behenate, Euphorbia Cerifera [Candelilla] Wax, Polyhydroxystearic acid, Behenic Acid

Zeniveg® is a soft and creamy all vegetable moisturizing complex from ingredients of natural origin. It is derived from fatty alcohols and various vegetable waxes, having a similar profile to beeswax. Zeniveg® provides excellent barrier and moisturizing qualities without the greasiness of conventional moisturizers. It has great skin feel, and starts melting on skin contact, giving it good transition and play time. Zeniveg® offers outstanding formulation flexibility in high water containing skin care emulsions, from light daily lotions to heavy moisturizing body butters.

Zeniveg® is your premier choice for an all vegetable natural moisturizer.



COSMOS
APPROVED

KEY FEATURES

- All vegetable moisturizer
- Non-greasy effect
- Liquifies on skin contact
- Good transition and play time
- Outstanding formulation flexibility
- Ideal for formulating with fewer ingredients

TECHNICAL INFORMATION

Physical Form:	Solid
Actives:	100 %
Use Level:	1 - 10 %
Melt Point:	49 - 59 °C

COMPLIANCE ECOCERT: COSMOS v4
REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000



NATURAL MOISTURIZING COMPLEXES™

MOISTURIZING

Carnauba Butter®

INCI: Octyldodecanol, Beeswax, Copernicia Cerifera (Carnauba) Wax

Carnauba Butter® is a Natural Moisturizing Complex™ derived from coconut oil, beeswax and carnauba wax yielding a natural moisturizer and film former with a soft silky spread. Carnauba Butter® has been specifically designed for skin care applications, requiring all natural moisturization.

Carnauba Butter® is an ideal alternative to synthetic moisturizers, when a higher melt point is desired.



**COSMOS
APPROVED**

KEY FEATURES

- All-natural deep moisturizer
- Non-greasy effect
- Auxiliary oil thickener

TECHNICAL INFORMATION

Physical Form:	Solid
Actives:	100 %
Use Level:	2 - 10 %
Melt Point:	43 - 54 °C

COMPLIANCE ECOCERT: COSMOS v4
REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_N = 0.566 I_{NO} = 1.000

MOISTURIZING

Butter-Plus™ E

INCI: Octyl dodecanol, Stearyl olivate, Euphorbia Cerifera (Candelilla) Wax, Cetearyl behenate, Polyhydroxystearic acid, Behenic Acid

Butter-Plus™ E is a new Natural Structured Butter Complex™, designed to provide effective barrier properties, combined with great moisturization and excellent emolliency. It is a soft and creamy paste, that begins to liquefy on skin contact, its melt profile provides outstanding spread and play time with excellent skin feel, without greasiness. Butter-Plus™ E is also an excellent delivery system for incorporating essential oils into skincare preparations, providing extended stability, and aids in fragrance longevity. It's an elegant natural, all vegetable alternative to conventional types of moisturizers for a wide range of skin care, and sun care applications.



**COSMOS
APPROVED**

KEY FEATURES

- All vegetable moisturizer
- Non-greasy effect
- Liquifies on skin contact
- Outstanding spread and play time
- Extended stability with essential oils
- Aids in fragrance longevity
- Formulate custom butters

TECHNICAL INFORMATION

Physical Form:	Soft Solid
Actives:	100 %
Use Level:	1 - 10 %
Melt Point:	45 - 60 °C

COMPLIANCE ECOCERT: COSMOS v4
REACH: Mixture

ISO 16128 I_{NO} = 1.000

NATURAL MOISTURIZING COMPLEXES™

MOISTURIZING

Zenibutter®



COSMOS
APPROVED

Zenibutter®'s are a series of Natural Moisturizing Complexes™ derived from coconut oil, beeswax and a variety of natural essential and carrier oils. This yields a set of natural moisturizers with superb barrier properties having a soft silky spread with good play time. Zenibutter®'s bring all the beneficial properties of the corresponding essential and carrier oils to the surface of the skin, without the typical greasiness found in conventional butters, and thus allowing for higher loads in formulations.

Zenibutter®'s are an ideal natural alternative to conventional butters for moisturizing.

The Zenibutter® Product Line

KEY FEATURES

- All-natural deep moisturizer
- Non-greasy effect
- Liquifies on skin contact
- Improved hydration and TEWL properties

TECHNICAL INFORMATION

Physical Form:	Soft Solid
Actives:	100 %
Use Level:	1 - 10 %
Melt Point:	40 - 50 °C

COMPLIANCE ECOCERT: COSMOS v4
REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000

Argan Butter®

INCI: Octyldodecanol, Beeswax, Argania Spinosa Kernel Oil

- High level of Omega-6 and 9 fatty acids
- Vitamin E
- Ideal for hair care applications
- Natural source of antioxidant

Avocado Butter®

INCI: Octyldodecanol, Beeswax, Persea Gratissima (Avocado) Oil

- Vitamin E & beta-Sitosterol
- Very high levels of Omega-9 fatty acids
- Enhanced emolliency and lubricity
- Natural source of antioxidant & phytosterol

Cranberry Butter®

INCI: Octyldodecanol, Beeswax, Vaccinium Macrocarpon

- Predominant levels of Omega-3, 6 and 9 fatty acids
- Natural source of antioxidants
- Ideal for scalp, skin and sun care applications
- Vitamin A, C, E, and K

Pomegranate Butter®

INCI: Octyldodecanol, Beeswax, Punica Granatum (Pomegranate) Seed Oil

- Very High levels of Omega-5 (Punicic) fatty acids
- Natural source of antioxidant
- Good for dry skin and anti-aging preparations
- Vitamin B, C, E, and K
- Ideal for scalp, skin and sun care applications

Made with UpCycled Ingredients

Blueberry Butter®

INCI: Octyldodecanol, Beeswax, Vaccinium Myrtillus (Blueberry) Seed Oil

- Source of phytosterol, squalene, anthocyanins and carotenoids
- Natural source of antioxidants (α-, γ-, and δ-tocopherols)
- Significant level of Omega-3 (α-linolenic) fatty acids

Raspberry Butter®

INCI: Octyldodecanol, Beeswax, Rubus Idaeus (Raspberry) Seed Oil

- Natural source of antioxidants (α-, γ-, and δ-tocopherols)
- Predominant levels of Omega-3, and 6 fatty acids
- Natural source of lipids and phospholipids
- Ideal for scalp, skin and sun care applications

IFRA Restricted Use

Lime Butter®

INCI: Octyldodecanol, Beeswax, Citrus Aurantifolia (Lime) Oil

- Good for skin and hair care anti-aging applications
- Skincare preparations for wrinkles, cellulite & scars
- Aromatherapy and fragranced preparations
- Lime Seed Essential oil containing

Orange Butter®

INCI: Octyldodecanol, Beeswax, Citrus Aurantium Dulcis (Orange) Peel Oil

- Good for skin care therapeutic preparations
- Aromatherapy and fragranced preparations
- Sweet Orange Essential oil containing

Lavender Butter®

INCI: Octyldodecanol, Beeswax, Lavandula Angustifolia (Lavender) Oil

- Good for scalp, skin and sun care applications
- Aromatherapy and fragranced preparations
- Skincare for wrinkles and dry skin
- Lavender 40/42 Essential oil containing

NATURAL FILM FORMERS

FILM FORMER

Zenigloss®



INCI: Castor isostearate succinate

Zenigloss® is an all-natural liquid polymer derived from castor oil that delivers exceptional film forming properties with high impact gloss. This 100% active natural liquid polymer is a hydrophobic ingredient that can be used in a variety of hair, colour, skin and sun care applications. This high molecular weight polymer offers all natural, film forming properties for skin and hair.

Zenigloss® is an all natural glossing agent that is ideal as a silicone alternative for hair and lips.

KEY FEATURES

- All-natural high impact glossing agent
- All-natural film former
- All-natural pigment wetter
- SPF Booster
- 100 % active polymer

TECHNICAL INFORMATION

Physical Form: Viscous Liquid
Use Level: 0.5 - 4 %
Molecular Weight: 5,700 Da

COMPLIANCE ECOCERT: Cosmetics v2
REACH: Polymer
EU Reg. 2023/2055 Exempt
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 0.988

FILM FORMER

Zenigloss® S



INCI: Castor isostearate beeswax succinate

Zenigloss® S is an all-natural solid polymer derived from castor oil and beeswax that delivers exceptional film forming properties while maintaining a high impact gloss. This 100% active natural polymer also aids in thickening and structuring natural oils that can be used in a variety of hair, colour, skin and sun care applications. This high molecular weight polymer offers all natural, film forming properties for skin and hair.

Zenigloss® S is an all-natural solid glossing agent and thickener that is ideal as a silicone alternative for hair.

KEY FEATURES

- All-natural high impact glossing agent
- All-natural thickener & film former
- All-natural conditioner
- 100 % active polymer

TECHNICAL INFORMATION

Physical Form: Solid
Use Level: 1 - 4 %
Melt Point: 55 - 65 °C
Molecular Weight: 5,600 Da

COMPLIANCE ECOCERT: Cosmetics v2
REACH: Polymer
EU Reg. 2023/2055 Exempt

ISO 16128 I_{NO} = 0.989



NATURAL FILM FORMERS

FILM FORMER

**Zenigloss®
UP**

INCI: Castor isostearate succinate

Zenigloss® UP is an all-natural liquid polymer derived from castor oil that delivers exceptional film forming properties with high impact gloss. This 100% active natural liquid polymer is a hydrophobic ingredient that can be used in a variety of hair, colour, skin and sun care applications. This high molecular weight polymer offers all natural, film forming properties for skin and hair.

Zenigloss® UP is an all natural glossing agent that is ideal as a silicone alternative for hair and lips.



KEY FEATURES

- All-natural high impact glossing agent
- All-natural film former
- All-natural pigment wetter
- 100 % active polymer
- Reduced odour ultra-pure version of Zenigloss®

TECHNICAL INFORMATION

Physical Form: Viscous Liquid
Use Level: 0.5 - 4 %
Molecular Weight: 6,200 Da

COMPLIANCE ECOCERT: Cosmetics v2
REACH: Polymer
EU Reg. 2023/2055 Exempt
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 $I_{NO} = 0.962$

FILM FORMER

**Zenigloss®
UPH**

INCI: Castor isostearate succinate, hydrogenated castor oil

Zenigloss® UPH is an all-natural solid polymer derived from castor oil and castor wax that delivers exceptional film forming properties with high impact gloss. This 100% active natural polymer is a hydrophobic ingredient that can be used in a variety of hair, colour, skin and sun care applications. This high molecular weight polymer offers all natural, film forming properties for skin and hair.

Zenigloss® UPH is an all-natural film former that is ideal as a petrolatum alternative.



KEY FEATURES

- All-natural film former
- All-natural moisturizer
- Petrolatum alternative
- 100 % active oil soluble polymer

TECHNICAL INFORMATION

Physical Form: Paste
Melt Point: 58 - 68 °C
Use Level: 0.5 - 4 %
Molecular Weight: 6,200 Da

COMPLIANCE ECOCERT: Cosmetics v2
REACH: Polymer
EU Reg. 2023/2055 Exempt
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 $I_{NO} = 0.973$

NATURAL FILM FORMERS

FILM FORMER

Zenerbet®

INCI: Octyldodecyl Dimer Dilinoleyl Alcohol / Succinic Acid / Copolymer

Zenerbet® is a Guerbet polyester derived from naturally sourced ingredients. This 100% active branched liquid polymer is a hydrophobic ingredient that can be used in a variety of hair, colour, skin and sun care applications. This high molecular weight polymer offers all natural, film forming properties for skin and hair.

Zenerbet® is your ideal choice for an all natural film forming polymer with water repellence.



KEY FEATURES

- Reduces colour bleed in lipsticks
- Outstanding barrier properties
- Substantive to both skin and hair
- Hydrophobic
- 100 % active oil soluble polymer

TECHNICAL INFORMATION

Physical Form: Viscous Liquid
Use level: 0.5 - 10 %
Molecular Weight: 4,870 Da

COMPLIANCE ECOCERT: Cosmetic Raw Material
REACH: Polymer
EU Reg. 2023/2055 Exempt

ISO 16128 I_{NO} = 1.000

FILM FORMER

ESSACHEM® JP-C

INCI: Jojoba esters

ESSACHEM® JP-C is a unique solid, Natural Sensory Complex™ derived from Jojoba seed designed to offer a solid to liquefying effect when spread on skin and hair that is extremely soft and non-greasy. The ESSACHEM® JP-C will offer exceptional texture and film forming properties for pigmented systems and melting creams that will not compromise the target skin sensory profile required in facial applications.

ESSACHEM® JP-C is an excellent alternative to silicon waxes to achieve "silicone-free" attributes.



KEY FEATURES

- All-natural water & sweat resistance
- All-natural light weight feel
- All-natural thickener
- 100 % active polymer

TECHNICAL INFORMATION

Physical Form: Paste
Use level: 2 - 8 %
Melt point: 40 - 50 °C
Molecular Weight: 3,800 Da

COMPLIANCE REACH: Polymer
EU Reg. 2023/2055 Exempt
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000



NATURAL FILM FORMERS

FILM FORMER

**Zenolatum®
6800**



INCI: Ricinus Communis (Castor) Seed Oil, Hydrogenated castor oil, Copernicia Cerifera (Carnauba) Wax

Zenolatum® 6800 is a unique all-vegetable film former and moisturizer alternative to petrolatum, petroleum jelly, and other petrochemical based raw materials used in cosmetics preparations. It offers a moisture retention effect thus counteracting trans-epidermal water loss, and provides excellent water repellency. When compared to traditional petroleum-based ingredients Zenolatum® 6800 offers better skin compatibility plus it is non-irritating and non-comedogenic. It is easily incorporate into the oil phase and has good oxidative stability, providing a soft sensorial effect without any tackiness.

Zenolatum® 6800 is your ideal plant-based natural alternative to petrolatum and other petrochemical based mineral oil jellies.

KEY FEATURES

- 100% plant based petrolatum alternative.
- Film former & Moisturizer
- Oil phase thickener
- Non-greasy, non-tacky texturizing agent.
- Water repellency

TECHNICAL INFORMATION

Physical Form:	Soft paste
Use Level:	2 - 65 %
Melt Point:	62 - 72 °C
Refractive index:	1.46 - 1.48

COMPLIANCE ECOCERT: Pending (COSMOS v4)
REACH: Mixture
CHINA: NMPA Registration (Pending)
IECIC-2021 Listed

ISO 16128 $I_N = 0.900$ $I_{NO} = 1.000$

FUNCTIONAL CLEANSING ADDITIVES

CLEANSING

TI-NatSurf®
QCB



INCI: Aqua (Water), Cocamidopropyl hydroxysultaine, Myristamine Oxide, Caprylyl/capryl glucoside, Decyl glucoside

TI-NatSurf® QCB is a naturally derived, highly functional, cleansing complex designed to deliver crystal clear natural oil containing cleansing systems for face and body. This naturally derived cleansing complex allows for the formulating of mild conditioning micellar waters, delivering enhanced cleansing, conditioning with post rinse after feel on the skin.

TI-NatSurf® QCB is ideal natural based sulphate-free cleansing application.

KEY FEATURES

- Produces clear oil enriched systems
- Produces high stable foam
- Designed for all-natural micellar water.
- Fully compatible with cationic systems.
- High electrolyte tolerance.

TECHNICAL INFORMATION

Physical Form:	Liquid
Use Level:	5 - 30 %
Typical Actives:	36 %
Typical Solids:	40 %

COMPLIANCE REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 C_{NO} (+H₂O) = 86.3 %
C_{NO} (-H₂O) = 64.7 %

CLEANSING

TI-NatSurf®
FHS



INCI: Aqua (Water), Caprylyl/capryl glucoside, Sodium lauroyl sarcosinate, Decyl glucoside, Cocamidopropyl hydroxysultaine, Sodium cocoyl amino acids (apple)

TI-NatSurf® FHS is a naturally derived, highly functional, cleansing complex designed to deliver ultra rich, sulphate free, creamy foaming properties for hand and face products. This naturally derived cleansing complex can be utilized as a primary complex for water thin formulations, and micellar systems, that will leave a soft feel on the skin, while meeting the demands of today's natural cleansing applications.

TI-NatSurf® FHS is ideal for natural based sulphate-free cleansing applications.

KEY FEATURES

- Produces rich stable "lather type" foam
- Excellent flash foam
- Produces clear oil enriched systems
- Mild, Sulphate and sulphonate free
- VOC, EO and DEA free

TECHNICAL INFORMATION

Physical Form:	Liquid
Use Level:	5 - 34 %
Typical Actives:	31 %
Typical Solids:	34 %

COMPLIANCE REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 C_{NO} (+H₂O) = 94.7 %
C_{NO} (-H₂O) = 83.6 %

FUNCTIONAL CLEANSING ADDITIVES

CLEANSING

TI-NatSurf® BW

INCI: Aqua(Water), Decyl glucoside, Sodium myristoyl sarcosinate, Cocamidopropyl hydroxysultaine, Sodium cocoyl amino acids (apple)

TI-NatSurf® BW is a naturally derived, highly functional, cleansing complex designed to deliver ultra rich, sulphate free, creamy foaming properties for face, shampoos and elegant body wash products. This naturally derived cleansing complex can be utilized as a primary or secondary complex that will leave a soft feel on the skin, while meeting the demands of today's natural cleansing applications.

TI-NatSurf® BW is ideal for natural based sulphate free cleansing applications.



KEY FEATURES

- Produces rich stable "lather type" foam
- Ideal for oil containing body washes
- Ideal as a secondary system
- Mild, Sulphate and sulphonate free
- VOC, EO and DEA free

TECHNICAL INFORMATION

Physical Form:	Viscous Liquid
Use Level:	4 - 55 %
Typical Actives:	31 %
Typical Solids:	33 %

COMPLIANCE REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 C_{NO} (+H₂O) = 94.9 %
C_{NO} (-H₂O) = 84.0 %

CLEANSING

Zenigloss® Q

INCI: Polyquaternium-57

Zenigloss® Q a natural branched polymer derived from castor oil. This high molecular weight cationic polymer provides substantive conditioning and gloss to hair, making it ideal for conditioners. It performs very effectively on damaged (colour treated, permed, or bleached) hair, and is a very good detangler. Zenigloss® Q is an extremely mild polymer and can be used for body washes, skin and hair care applications. In 2 in 1 shampoo, Zenigloss® Q has been found to outperform conventional silicone-based ingredients in both wet and dry comb performance, as well as gloss providing shine to the hair.



KEY FEATURES

- Substantive condition to hair with no build up with detangling benefit
- Compatible with anionic systems
- No reduction in foam
- Improved gloss to coloured & damaged hair, aids in colour retention
- Rich texture & ease of application
- Good wet & dry comb-ability
- Extremely mild
- 100 % active polymer

TECHNICAL INFORMATION

Physical Form:	Viscous Liquid
Use Level:	0.4 - 4 %
Molecular Weight:	8,860 Da

COMPLIANCE

REACH: Polymer
EU Reg. 2023/2055 Exempt
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 0.983

CHINA EXCLUSIVE PRODUCTS



SENSORY

**ESSACHEM®
SI**



INCI: Octyldodecyl Oleate, Plukenetia Volubilis Seed Oil

ESSACHEM® SI is a new, ultra-dry Natural Sensory Complex™ derived from Sacha Inchi Seed Oil, of the Plukenetia Volubilis plant native to the Amazon jungles of Peru. The oil is known to be one of the richest sources of omega fatty acids from any plant. This super absorbing Natural Sensory Complex™ is rich in beneficial fatty acids (Omega-3, 6 & 9) and is an ideal delivery system for naturally occurring Vitamin-A and Vitamin-E (alpha & gamma-tocopherols) to the surface of the skin.

ESSACHEM® SI's feel and texture makes it an ideal alternative to a 50 cSt silicone fluid, enriched with natural skin protecting benefits.

KEY FEATURES

- Ultra-dry non-greasy sensory feel
- Enriched spread and light texture emollience
- Essential fatty acids, Omega-3, 6 & 9
- Delivery of natural vitamins & anti-oxidants
- Functional alternative to alkanes
- Silicone fluid alternative

TECHNICAL INFORMATION

Physical Form:	Liquid
Actives:	100 %
Use Level:	0.25 - 15 %
Refractive Index:	1.43 - 1.47

COMPLIANCE REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000

SENSORY

**ESSACHEM®
SG**



INCI: Isostearyl Isostearate, Stearyl Alcohol, Olea Europaea (Olive) Fruit Oil, Stearyl Stearate

The ESSACHEM® SG is a Natural Sensory Complex™ designed to offer exceptional sensory properties for skin and hair. It will liquefy on contact with the skin delivering a natural transition of spread, and leaving a soft smooth silky after feel. This Natural Sensory Complex™ will enhance the skin's moisture levels without leaving a greasy, non-absorbing texture and deliver a long-lasting, non-tacky after feel that will provide protection to the skin. ESSACHEM® SG can provide excellent lubricating properties for the hair that will not impart heavy buildup when applied.

ESSACHEM® SG is ideal to enhance delivery of a soft transition of spread due to its low melting point profile.

KEY FEATURES

- Liquefies of skin contact
- Provides a soft, non-greasy cushion
- Auxiliary oil thickening & structuring properties
- Enhances skin's moisturizing properties
- Aids re-fatty of skin & delivers lubricity to hair
- Delivers long lasting, non-tacky after feel

TECHNICAL INFORMATION

Physical Form:	Solid
Actives:	100 %
Use Level:	1 - 8 %
Melt Point:	45 - 55 °C

COMPLIANCE REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000



CHINA EXCLUSIVE PRODUCTS

MOISTURIZING

Butter-Plus™

INCI: Octyl dodecanol, Cetearyl behenate, Euphorbia Cerifera (Candelilla) Wax, Isostearyl Isostearate, Polyhydroxystearic acid, Olea Europaea (Olive) Fruit Oil, Stearyl Alcohol, Behenic Acid

Butter-Plus™ is a new Natural Structured Butter Complex™, designed to provide effective barrier properties, combined with great moisturization and excellent emolliency. It is a soft and creamy paste, that begins to liquefy on skin contact, its melt profile provides outstanding spread and play time with excellent skin feel, without greasiness. Butter-Plus™ is also an excellent delivery system for incorporating essential oils into skincare preparations, providing extended stability, and aids in fragrance longevity. It's an elegant natural, all vegetable alternative to conventional types of moisturizers for a wide range of skin care, and sun care applications.



KEY FEATURES

- All vegetable moisturizer
- Non-greasy effect
- Liquifies on skin contact
- Outstanding spread and play time
- Extended stability with essential oils
- Aids in fragrance longevity
- Formulate custom butters

TECHNICAL INFORMATION

Physical Form:	Soft Solid
Actives:	100 %
Use Level:	1 - 10 %
Melt Point:	45 - 60 °C

COMPLIANCE REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

ISO 16128 I_{NO} = 1.000

FILM FORMER

**ESSACHEM®
D**

INCI: Dioctyldodecyl Dimer Dilinoleate, Octyldodecyl Olivatate, Caprylic/Capric Triglyceride, Propanediol

The ESSACHEM® D is a new and novel Natural Dispersion and Sensory Complex designed to aid in the dispersion of inorganic materials for pigmented systems in colour cosmetic and sun care applications. It marries the light sensory emollient and dispersion attributes of the ESSACHEM® EH with the superior dispersing and film forming properties of a unique proprietary natural di-ester. This natural complex provides enhanced pigment dispersion with increased water resistance while delivering a light buttery sensory after-feel to the skin. In sun care applications it has excellent performance characteristics with both treated and untreated mineral sunscreen actives. In colour systems it provides enhanced performance characteristics, especially on aluminum lakes, providing a more uniform pigment deposition on the skin or lips.

ESSACHEM® D is your ideal, natural sensory and dispersion additive for colour cosmetic and sun care applications.

KEY FEATURES

- Light, non-greasy, soft silky feel
- Non-tacky, enhanced spread
- Non-comedogenic
- Forms protective film on skin

TECHNICAL INFORMATION

Physical Form:	Liquid
Actives:	100 %
Use Level:	1 - 50 %
Refractive Index:	1.44 - 1.47

COMPLIANCE REACH: Mixture
CHINA: NMPA Registered
IECIC-2021 Listed

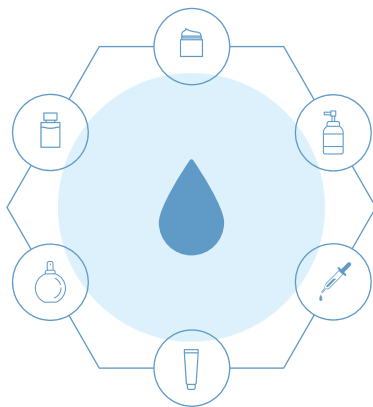
ISO 16128 I_{NO} = 1.000



TOTAL MICELLAR CLEANSING SYSTEM

NATURAL ALTERNATIVES TO
SULPHATES, PEG / EO

AVAILABLE IN
BATH & SHOWER
HAIR CARE
SKIN CARE
CONDITIONING



OUR NATURAL SOURCES

Sacha Inchi

Apple

Argan

Rock Sugar

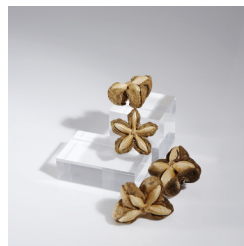
Beet

Coconut

Develop a variety of products using our unique micellar system.

Bring the latest skincare secret to a head-to-toe cleansing routine. We combine the gentle cleansing effect of micellar technology with the soft conditioning enriched with our Natural Sensory Complex™ from either Argan or Sacha Inchi. Our all-natural solutions fight dirt and impurities from environmental pollution, delivering beneficial attributes from these oils, and brings soft lotion-feel after rinse to the skin.

Skincare, hair care, bath and body. We help you design exquisite formulas and develop the perfect products to create a gentle head-to-toe cleansing routine.

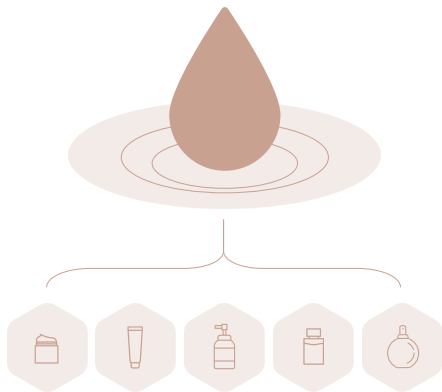


T.I.F.™ CONCEPT: SIMPLICITY IS BEAUTY



INTRODUCTION

T.I.F.™ (Total Ingredient Factor)
CONCEPT:
SIMPLICITY IS BEAUTY



Develop an entire skincare line using only 10 ingredients or less.

Rethink what is possible. Create a remarkable product experience with fewer ingredients on skin. Using only ingredients of natural origin, we help you design texture and feel with outstanding precision.

Improve the efficiency and cost effectiveness of your product line by simplifying the process of product development.

Use a single template base formulation to design of a variety of natural skincare products Serum, lotion, cream, body butter – all delivered from a simple, single formulation.

Less is more. A simple formulation with fewer ingredients stands out from the market and allows your consumers to feel safe and confident in your brand.

With 10 or less ingredients, we help you bring the ideal products to market rapidly.

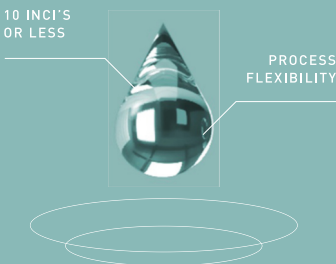


ALWAYS GO WITH NATURAL SOLUTIONS

Clean and natural features have a huge influence on consumers. More than a trend, Clean Beauty is now the new standard.

CONTROL YOUR FORMULA

Go beyond stock formulations. Developing a unique formulation of your own allows you to select specific functional benefits and means of production. Owning a unique formula ensures your products have the competitive edge.



SIMPLICITY IS BEAUTY

More than ever, consumers are cautious of the ingredients present in their beauty products. A simple formulation with specialized ingredients stands out from the shelf. It allows your consumers to feel safe and confident in your brand. Simple ingredients are a great way to improve the efficiency and cost effectiveness of your product line.



LEARN MORE ...

Simply scan, or visit our website to discover
our products and formulations

<https://www.tc-usa.com/>



OR DIRECT...

to TC-Link™, our Virtual Meeting Platform
and Document / Video Library

<https://tclink.tc-usa.com/>



TC USA

34 Clayson Road
Toronto, ON M9M 2G8
CANADA

T: +01 416.741.9264
E: salesinfo@tc-usa.com

TC-USA Inc., is a proud member
of the Tennant Group of Companies.