Unique&Easy Micro-Encapsulation Solutions

MultiSal® Ceretin

Youth Through Intelligent Delivery

Intelligent Skin Longevity Technology

MultiSal® Ceretin (MS Ceretin) is an intelligent multi-phase rejuvenation platform designed for the next generation of luxury skincare.

Inspired by the skin's natural renewal cycle, precision-engineered microspheres deliver a sequence of rejuvenating ingredients over time, combining immediate sensory elegance with prolonged biological activity.

Unlike conventional retinol systems that release their actives rapidly and often cause irritation, MS Ceretin delivers skin-renewing ingredients in a controlled manner to maximize visible results while improving skin comfort and tolerance.

The combination of active ingredients in the smart delivery system supports:

- Skin longevity
- Cellular resilience
- Regenerative beauty
- Skin renewal
- Visible rejuvenation

The result is smoother, firmer, healthier-looking skin with the luxurious experience expected from prestige beauty brands.

Skin longevity focuses on maintaining the skin's biological performance and resilience over time rather than simply correcting visible signs of aging. MultiSal® Ceretin supports multiple pathways associated with youthful-looking skin, including renewal, hydration, antioxidant protection, collagen support, and barrier resilience.



Technology Benefits

An intelligent skin longevity platform for prestige brands seeking visible rejuvenation without compromise.

Technology	Consumer Benefit
Controlled release microspheres	Continuous rejuvenation beyond application
Protected active reservoir	Fresh potency with every use
Lipid-compatible delivery	Improved affinity for the skin barrier
Multi-phase release	Immediate and long-lasting benefits
Encapsulation technology	Visible results with improved comfort

Tel 1-(844) SALVONA | sales@salvona.com
www.salvona.com
2521 Kuser Road, Hamilton NJ 08691, USA

Unique&Easy Micro-Encapsulation Solutions

MultiSal® Ceretin

Youth Through Intelligent Delivery

The Technology

MultiSal® Ceretin is built upon an advanced core-shell microsphere architecture (Figure 1) that combines Intelligent Encapsulation for Visible Skin Renewal with Precision Delivery for Next-Generation Rejuvenation. The microsphere is engineered to protect sensitive actives and optimize their delivery to the skin, providing Protected Potency, Intelligent Release, and Visible Results. The internal core functions as an active reservoir, while the external shell provides physical protection and modulates the release profile of the encapsulated ingredients.

At the heart of the technology is a sophisticated multi-compartment delivery system consisting of numerous submicron lipid spheres suspended within a hydrophobic matrix composed primarily of Butyrospermum Parkii (Shea Butter).

This lipid-rich environment creates a protective microenvironment for highly sensitive active ingredients while facilitating compatibility with the skin's natural lipid structures.

MultiSal® Ceretin contains five distinct populations of submicron delivery spheres, each designed to encapsulate and protect a specific functional ingredient: retinol, alpha-lipoic acid (thioctic acid), stabilized vitamin C, collagen-boosting peptides, and lactic acid. By isolating these ingredients within individual microdomains, the technology minimizes premature degradation and undesirable interactions that may otherwise occur in conventional formulations.

This intelligent architecture preserves ingredient potency throughout manufacturing, storage, and application, allowing the actives to be released progressively upon use.

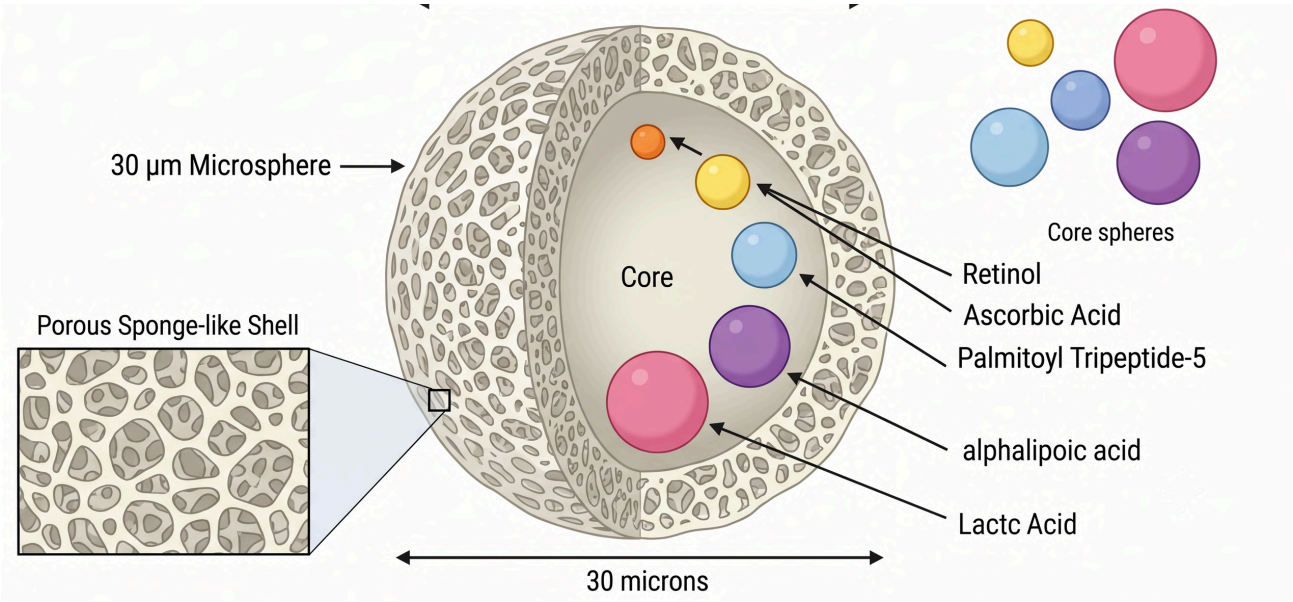


Figure 1: The architecture of MultiSal® Ceretin. Submicron spheres are encapsulated in a hydrophilic shell.

Tel 1-(844) SALVONA | sales@salvona.com
www.salvona.com
2521 Kuser Road, Hamilton NJ 08691, USA

Unique&Easy Micro-Encapsulation Solutions

MultiSal® Ceretin

Youth Through Intelligent Delivery

Mechanism of Release

When dispersed in an aqueous formulation, the polysaccharide and Hyaluronic acid shell of MultiSal® Ceretin remain structurally intact. Although the shell may absorb limited amounts of water and undergo slight swelling, it maintains the microsphere's integrity and continues to protect the encapsulated actives from the external environment.

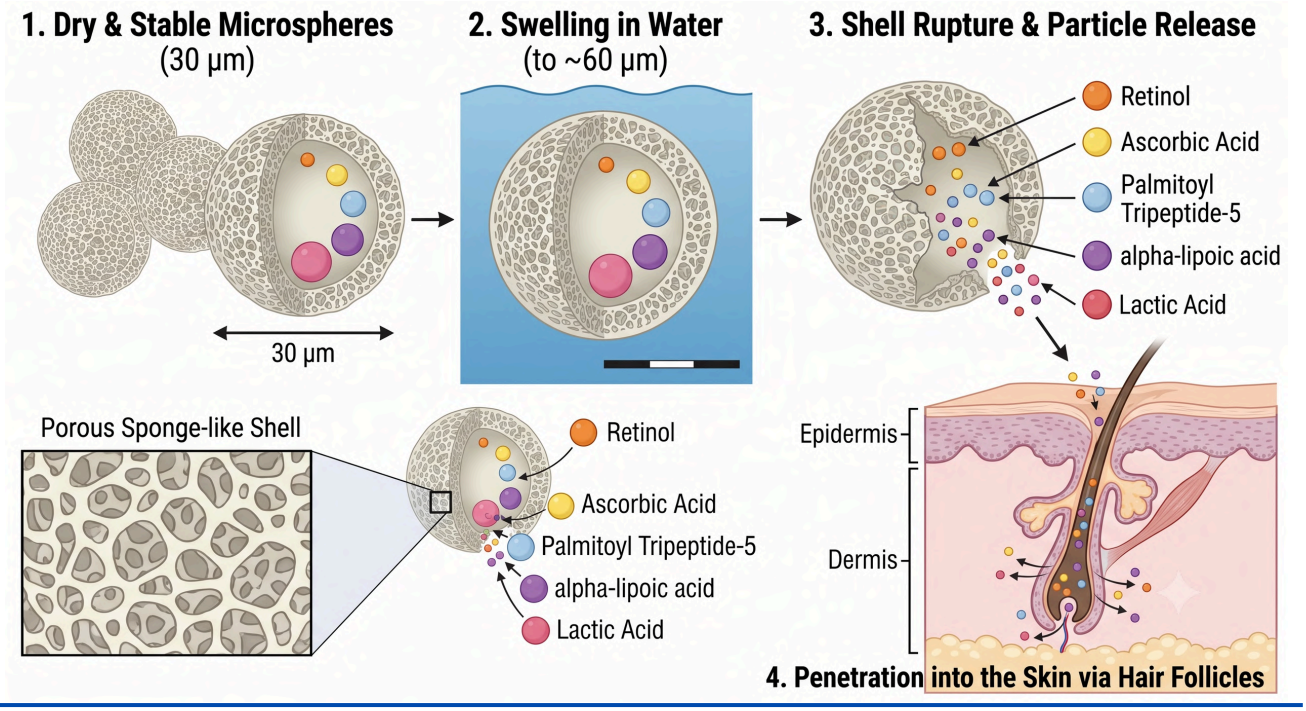
Upon application and massage onto the skin, mechanical forces generated by rubbing, together with the moisture and temperature of the skin surface, gradually disrupt the outer polysaccharide shell. This process enables the controlled liberation of the encapsulated submicron lipid spheres from the microsphere matrix.

The released lipid particles exhibit a high affinity for the lipid-rich stratum corneum and can partition into the superficial skin layers.

In addition, a portion of the particles may use hair follicles and associated sebaceous structures as preferential penetration pathways, thereby facilitating the delivery of functional ingredients closer to their intended site of action.

This unique release mechanism supports controlled, progressive delivery of retinol, vitamin C, alpha-lipoic acid, lactic acid, and collagen-supporting peptides, providing Encapsulated Intelligence for Younger-Looking Skin while enhancing efficacy, improving ingredient stability, and maintaining excellent skin compatibility.

The result is a next-generation delivery platform that combines ingredient protection, intelligent release, and premium sensory aesthetics to deliver high-performance skin rejuvenation solutions for luxury skincare brands.



Tel 1-(844) SALVONA | sales@salvona.com
www.salvona.com
2521 Kuser Road, Hamilton NJ 08691, USA

SALVONA
Unique&Easy Micro-Encapsulation Solutions

MultiSal® Ceretin

Youth Through Intelligent Delivery

Technical Data Sheet

Table 1: INCI of MultiSal® Ceretin PID: 9098-06

Key ingredients: Retinol, Ascorbic acid, Palmitoyl Tripeptide-5, Hyaluronic Acid, Alpha Lipoic Acid, Lactic Acid, Aloe Barbadensis Leaf Juice.
Others (Matrix): Butyrospermum Parkii (Shea), Sodium Starch Octenylsuccinate, Glycerin, Polysorbate 20, Hydrated Silica.

MultiSal® microspheres appear as a free-flowing fine powder, making it easy to formulate even water-free products.

A



B



Figure 2: MultiSal® Ceretin powder.
A, MultiSal® Ceretin- Powder
B, Scanning Electron Microscopy

SPECIFICATIONS

Table 2: Specifications of MultiSal® Ceretin PID: 9098-06

Specification	Description
Appearance	Free-Flowing Powder
Color	Off White to Pale Yellow
Odor	Characteristic
pH (1% Solution)	3.00-6.00

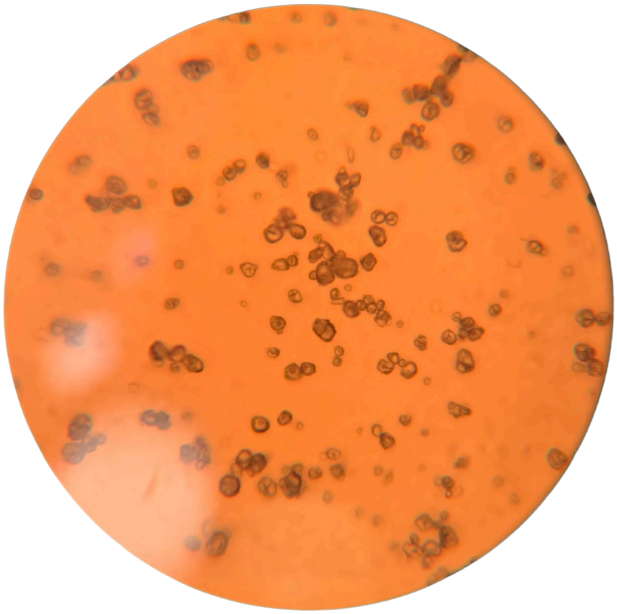


Figure 3: MultiSal® Ceretin in Glycerin 100X

Tel 1-(844) SALVONA | sales@salvona.com
www.salvona.com
2521 Kuser Road, Hamilton NJ 08691, USA

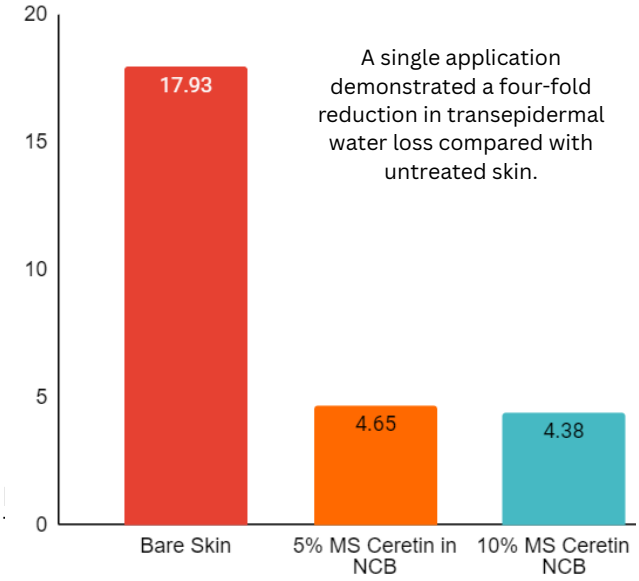
Unique&Easy Micro-Encapsulation Solutions

MultiSal® Ceretin

Youth Through Intelligent Delivery

MultiSal® Ceretin was formulated into a natural cream base at 5 and 10%. The cream was applied to the forearm of volunteers. Lab instruments, Tewameter TM 300 and Cutometer Dual MPA 580 were used to measure Hydration and transepidermal water loss after 1 hour from the application.

CLINICALLY DEMONSTRATED SUPPORT FOR SKIN BARRIER RESILIENCE AND MOISTURE RETENTION



INSTANT HYDRATION INFUSION WITH PROLONGED MOISTURE RETENTION

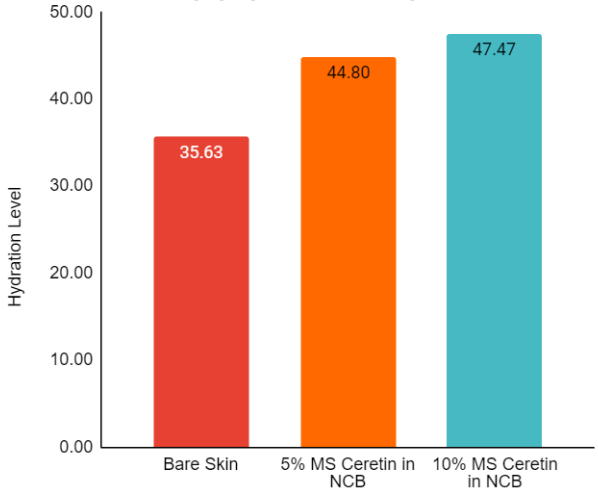


Figure 5: The effect of MultiSal® Ceretin dosage in the formulation skin hydration level.

Transepidermal Water Loss (TEWL) refers to the amount of water that passively evaporates through the skin to the external environment. It is a crucial indicator of the skin's barrier function. Healthy skin minimizes TEWL by maintaining its natural lipid barrier, which keeps moisture in and external irritants out. The clinical data demonstrated support for skin barrier resilience and moisture retention. A single application of a cream with MultiSal® Ceretin enhances the skin barrier properties by 400%. A 5% dosage of the technology is sufficient.

This benefit is critical for dry or damaged skin conditions (e.g., eczema, psoriasis), exposure to harsh skincare products, or environmental factors such as extreme temperatures and low humidity.

Skin hydration refers to the amount of water content present in the outermost layer of the skin, known as the stratum corneum. Properly hydrated skin is essential for maintaining a healthy, supple, youthful appearance. 5% of MultiSal® Ceretin increases skin hydration by over 25% compared to bare skin. It induces instant hydration infusion with prolonged moisture retention. An additional dosage of MultiSal® Ceretin increases hydration only slightly.

Unique&Easy Micro-Encapsulation Solutions

MultiSal® Ceretin

Youth Through Intelligent Delivery

The MultiSal® Ceretin Experience

Luxury Sensory Experience

MultiSal® Ceretin was designed not only to deliver visible skin-rejuvenation benefits but also to create an exceptional sensory experience worthy of prestige skincare brands.

The advanced encapsulation architecture contributes to a silky, elegant skin feel, a lightweight afterfeel, and outstanding compatibility with premium serums, emulsions, creams, and treatment formulations. The microspheres disperse effortlessly during application, leaving the skin feeling refined, comfortable, and beautifully conditioned without heaviness or residue.

Unlike conventional anti-aging actives that often feel oily, sticky, or irritating, MultiSal® Ceretin transforms high-performance ingredients into a sophisticated, pleasurable application experience that encourages daily use and long-term compliance.

Consumers experience:

- Immediate softness, comfort, and skin-conditioning benefits
- A smooth, luxurious glide during application
- A lightweight, breathable skin feel
- A non-greasy, non-tacky finish
- Enhanced radiance and a healthy-looking glow
- Improved sensory perception of product quality and performance



Tel 1-(844) SALVONA | sales@salvona.com
www.salvona.com
2521 Kuser Road, Hamilton NJ 08691, USA

Unique&Easy Micro-Encapsulation Solutions

MultiSal® Ceretin

Youth Through Intelligent Delivery

The Five+1 Intelligent Actives of MultiSal® Ceretin

1. **Retinol – The Renewal Accelerator™**

Promotes cellular renewal, improves the appearance of fine lines and wrinkles, enhances skin texture and tone, and supports firmer, younger-looking skin.

2. **Palmitoyl Tripeptide-5 – The Firmness Architect™**

Supports natural collagen production to improve skin firmness, elasticity, and the appearance of wrinkles.

3. **Alpha-Lipoic Acid – The Universal Antioxidant™**

A powerful antioxidant that helps protect the skin against oxidative stress and environmental damage while supporting skin vitality, improving the appearance of fine lines, and enhancing overall skin radiance and youthful appearance.

4. **Vitamin C – The Radiance Defender™**

A powerful antioxidant that brightens the complexion, improves skin tone uniformity, and helps protect against environmental stress and premature aging.

5. **Lactic Acid – The Glow Enhancer™**

Provides gentle exfoliation and skin renewal to improve texture, smoothness, and radiance while supporting hydration and a healthy-looking glow.

And in the Shell, we got :

6. **Hyaluronic Acid – The Hydration Reservoir™**

Provides deep hydration and moisture retention, helping to plump the skin and improve smoothness, comfort, and barrier function.

Together, these five+1 complementary actives work synergistically within the MultiSal® Ceretin delivery platform to renew, firm, hydrate, protect, and illuminate the skin, delivering Encapsulated Intelligence for Younger-Looking Skin™ and Luxury Skin Renewal Through Intelligent Delivery™.

- Retinol → Renewal
- Palmitoyl Tripeptide-5 → Firmness
- Hyaluronic Acid → Hydration
- Vitamin C → Radiance
- Alpha-Lipoic Acid → Protection
- Lactic Acid → Refinement and Glow

Together, they deliver a complete rejuvenation strategy: Renew • Firm • Hydrate • Protect • Illuminate • Refine.

Why Luxury Brands Choose MultiSal® Ceretin

- Six rejuvenation pathways in one delivery system
- Protected potency of sensitive actives
- Controlled release for prolonged performance
- Enhanced skin comfort versus conventional retinol systems
- Supports premium claims and storytelling
- Enables products competitors cannot easily replicate

A proprietary regenerative beauty platform designed for prestige brands seeking visible rejuvenation without compromise.

Tel 1-(844) SALVONA | sales@salvona.com
www.salvona.com
2521 Kuser Road, Hamilton NJ 08691, USA

SALVONA
Unique&Easy Micro-Encapsulation Solutions

MultiSal® Ceretin

Youth Through Intelligent Delivery

Why MultiSal® Ceretin is an Intelligent Skin

MultiSal® Ceretin is more than a blend of active ingredients—it is an intelligent skin rejuvenation system designed to protect, deliver, and activate multiple functional ingredients with precision and efficiency.

Intelligent Protection
Each active is isolated within its own submicron delivery sphere, protecting sensitive ingredients such as retinol and vitamin C from oxidation, degradation, and incompatibilities, preserving potency throughout shelf life.

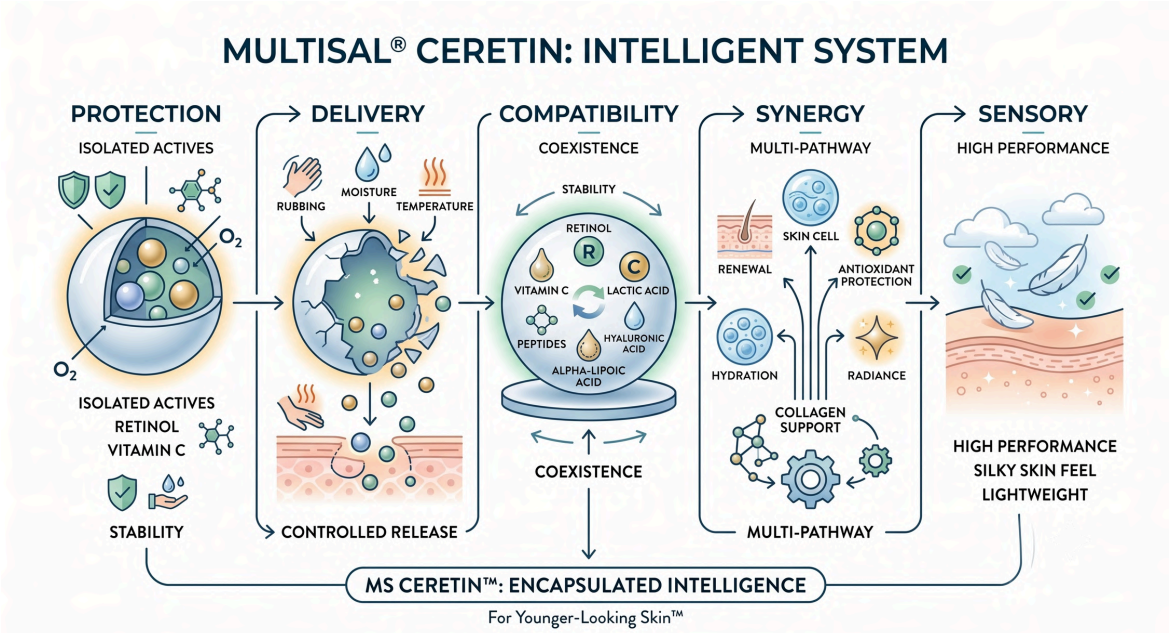
Intelligent Delivery
The outer polysaccharide shell gradually releases the encapsulated submicron spheres in response to rubbing, moisture, and skin temperature, enabling controlled delivery while minimizing irritation.

Intelligent Compatibility
Retinol, vitamin C, lactic acid, peptides, hyaluronic acid, and alpha-lipoic acid coexist within a single platform despite their different stability and formulation requirements.

Intelligent Synergy
Each ingredient targets a different pathway of skin aging, combining renewal, hydration, antioxidant protection, collagen support, and radiance enhancement for comprehensive rejuvenation.

Intelligent Sensory Experience
MultiSal® Ceretin delivers high performance with a silky skin feel, lightweight finish, and excellent compatibility with luxury formulations.

MS Ceretin™ embodies Encapsulated Intelligence for Younger-Looking Skin™, combining ingredient protection, controlled release, and multi-pathway rejuvenation in one advanced delivery platform.



Tel 1-(844) SALVONA | sales@salvona.com
www.salvona.com
2521 Kuser Road, Hamilton NJ 08691, USA

Unique&Easy Micro-Encapsulation Solutions

Product Overview - 9098-06

MultiSal® Ceretin

Youth Through Intelligent Delivery

Formulation and Product Concents



Brightening C and peptide

Daily Intelligent Skin Renewal System
Lightweight Luxury Skin Renewal Gel

Phase	Ingredient	INCI	%
A	Deionized Water	Water	q.s. to 100
A	Glycerin	Glycerin	5
A	Niacinamide	Niacinamide	3
A	Sodium Hyaluronate	Sodium Hyaluronate	0.1
A	Xanthan Gum	Xanthan Gum	0.3
B	Squalane	Squalane	3
C	MS Ceretin®	MS Ceretin®	5
C	Preservative	As required	1
C	Citric Acid/Sodium	pH adjustment	q.s.

Appearance:

Clear translucent gel with visible MS Ceretin® microspheres.
pH: 5.2–5.8
Viscosity: 6,000–12,000 cP
Skin Feel: Lightweight, smooth, and fast-absorbing.
Application: Morning and evening use.

Manufacturing:

- Add water, glycerin, niacinamide, and sodium hyaluronate to the main vessel.
- Disperse xanthan gum into the mixture under moderate agitation until fully hydrated.
- Add squalane slowly while mixing to ensure uniform distribution.
- Cool below 35°C.
- Add MS Ceretin® and preservative with gentle mixing.
- Adjust pH to 5.2–5.8.
- Fill into suitable packaging.

Consumer Benefits

- Helps improve skin hydration and smoothness.
- Supports a more even and radiant complexion.
- Lightweight formula suitable for daily use.
- Fast absorption with a non-greasy finish.

Luxury Positioning Claims

- Minimalist High-Performance Formula
- Lightweight Gel with Premium Feel
- Designed for Daily Global Use

Tel 1-(844) SALVONA | sales@salvona.com
www.salvona.com
2521 Kuser Road, Hamilton NJ 08691, USA

SALVONA
Unique&Easy Micro-Encapsulation Solutions

Product Overview - 9098-06

MultiSal® Ceretin

Youth Through Intelligent Delivery

Cellular Renewal Serum

Precision rejuvenation inspired by the biology of youthful skin.
Suggested claims:

- Supports skin longevity pathways
- Improves visible firmness and elasticity
- Restores radiance and a healthy glow
- Strengthens the skin barrier
- Improves skin comfort during retinol use
- Suitable for daily global use

Ingredient	%
Water	q.s. to 100
Glycerin	4
Propanediol	3
Niacinamide	4
Betaine	2
Panthenol	1
Sodium Hyaluronate	0.2
Aristoflex AVC	0.7
Dimethicone	0.5
MS Ceretin™	5
HydroSal® Youth	3
Tocopherol	0.3
Preservative	1
Fragrance (optional)	0.1



Cellular Renewal Concentrate

Processing

- Prepare the water phase and dissolve humectants and actives.
- Add Aristoflex to form the gel.
- Cool below 35°C.
- Add MS Ceretin™, HydroSal® Youth, and remaining ingredients.
- Adjust pH to 5.2–5.8 and fill.

Positioning

- An advanced encapsulated rejuvenation serum that delivers long-lasting hydration and visible skin renewal, with improved stability and reduced potential for irritation.

Marketing Tags

- Intelligent Delivery for Visible Rejuvenation
- Revive. Renew. Reveal.
- Encapsulated Science for Younger-Looking Skin

Tel 1-(844) SALVONA | sales@salvona.com
www.salvona.com
2521 Kuser Road, Hamilton NJ 08691, USA

SALVONA
Unique&Easy Micro-Encapsulation Solutions

MultiSal® Ceretin

Beauty Through Intelligent Delivery

Substantiation

Aloe Vera Gel	"As we already know, Aloe Vera contains powers to boost skin cell reproduction, reduce redness, and fight skin inflammation, it is a natural treatment for stretch marks and acne marks. "	Jerajani, Dhwani. "9 Aloe Vera Benefits for Face and Skin!" PharmEasy Blog, 16 May 2018, pharmeasy.in/blog/9-aloe-vera-benefits-for-face-skin/.
Vitamin C	"Topical vitamin C is a science-backed, dermatologist-favorite ingredient that may help slow early skin aging, prevent sun damage, and improve the appearance of wrinkles, dark spots, and acne. Vitamin C is an antioxidant, meaning it fights harmful free radicals (toxins)"	Nathan, Neera, and Payal Patel. "Why Is Topical Vitamin c Important for Skin Health? - Harvard Health." Harvard Health, Harvard Health, 10 Nov. 2021, www.health.harvard.edu/blog/why-is-topical-vitamin-c-important-for-skin-health-202111102635.
Hyaluronic Acid	"Hyaluronic acid can help increase the moisture content in your skin, which can have various skin benefits, including reducing the appearance of wrinkles and improving wound healing, among others."	"Hyaluronic Acid: Skin Benefits, Products to Use, and More." Healthline, 2 Aug. 2017, www.healthline.com/health/beauty-skin-care/hyaluronic-acid.
Alpha Lipoic Acid	"Alpha Lipoic Acid is a powerful antioxidant that has numerous benefits for the skin. It can reduce inflammation, fight free radicals, improve skin texture, and increase collagen production."	Sanders, Kate. "Why Alpha Lipoic Acid Is Beneficial for Topical Skin Care." Reviva Labs, Reviva Labs, 27 Mar. 2023, www.revivalabs.com/why-alpha-lipoic-acid-is-beneficial-for-topical-skin-care/#:~:text=Alpha%20Lipoic%20Acid%20is%20a%20powerful%20antioxidant%20that%20has%20numerous. Accessed 23 Sept. 2024.
Retinol	"Retinol has the same ability to speed up cell turnover and increase collagen production. This makes it an effective ingredient for reducing the look of fine lines and wrinkles. Retinol's exfoliating effect also helps it treat hyperpigmentation and acne."	"Health Benefits of Retinol." Health, www.health.com/retinol-benefits-7152524.