



Advancing Dermatology Through Precision Delivery

After 10+ years of dedicated research

Monoskin introduces an **innovative approach to dermatology**, addressing one of the biggest challenges: **effective ingredient penetration**.

 **Cetosome® US Patent US009084818B2**

Annual Yearbook

 **INDIA'S 1ST**
DERMAL DELIVERY
FOCUSED BRAND



 **United Kingdom**

 **Russia**

 **Africa**

 **India**

■ ■

“Skin is the largest organ of the body, and it requires our greatest attention.”

- Founder, Monoskin



Curated exclusively for scientists, surgeons and dermatologists who are deeply invested in advancing medicine through extensive and meaningful research.

Monoskin is a research focused brand, built on drug delivery system. Skin micro biology & long-term tolerance.

Rather than pursuing immediate cosmetic outcomes, monoskin concentrates on understanding how skin functions beneath the surface-where balance, barrier integrity, and controlled delivery defines real health.

Each formulation is developed with a clear purpose: to support compromised, sensitive, and reactive skin through precise ingredient selection targeted delivery and dermatology-aligned formulation logic.

By respecting the skin's natural structure and response mechanisms, monoskin delivers care that is restrained, targeted, and clinically responsible.

Precision Dermatology



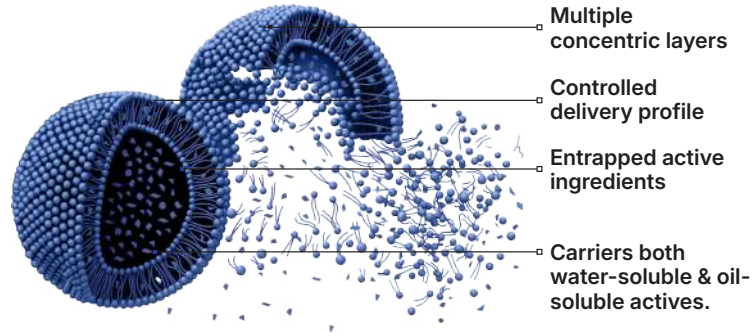
The image is a composite graphic. At the center is a realistic, slightly hazy view of the Earth from space, showing the Western Hemisphere. This globe is encircled by a ring of two layers of elements. The inner layer consists of numerous small, teardrop-shaped objects in a golden-yellow color, each with a textured, crystalline surface. The outer layer is composed of larger, smooth, spherical objects in a deep blue color. The entire composition is set against a dark, almost black background with a few scattered white specks, suggesting a cosmic or deep-sea environment. The text 'CETOSOMES®' is printed in a clean, white, sans-serif font across the middle of the image, partially overlapping the globe and the surrounding ring.

CETOSOMES®

ADVANCED DERMAL DELIVERY TECHNOLOGY

Cetosomes® is a patented delivery technology that transports active ingredients deeper into the skin for improved treatment effectiveness.

Cetosome® US Patent US9084818B2



Question: How much of your prescribed actives reach the target layer?

Our next-generation Cetosomes® changes the entire dermal delivery game. It is designed for deeper precise penetration, controlled & sustained release, and targeted skin treatments.

What your current formulations can't do? The delivery & technology gap vs standard topicals	Monoskin Cetosome® Products	Standard Topical Products
1 Sustained & Controlled release of actives across several hours Gradual, controlled and sustained diffusion of the actives through the viable epidermis.		
2 50-850nm NANO-PARTICLES Self-assembling nanoparticles that are formulated to support skin penetration without disrupting it.		
3 Bio-mimics Skin lipid Barrier Interaction Enhances penetration through epidermal barrier.		
4 Targeted Delivery Actives entrapped with Nano-particles reach the targetted dermal layer.		
5 Dual-solubility Supports Hydrophilic & Lipophilic actives within one unified system		

In vitro/ex vivo studies support the delivery mechanism. Clinical performance of finished formulations has not been independently validated in randomised controlled trials.

United States Patent

Barathur et al.



US009084818B2

(57)

ABSTRACT

The invention, a transdermal delivery method, relates to penetration-enhancing pharmaceutical compositions comprising a novel, stable mixture of cetylated esters, cetyl or stearyl alcohols, polar solvents and surfactants, which, under appropriate conditions, combine into amphiphilic nanoparticles within a stabilized liquid dispersion for use in delivery of medicinal agents through the skin. The term cetosomes is used to describe these particles in order to differentiate them from other nanoparticles, such as niosomes, cerasomes, polymeric micelles, dendrimers, liposomes, lipoids, solid lipid nanoparticles and other particles. The self-assembling cetosomes, with both ionic and nonionic points of attraction, incorporate and concentrate a variety of different bioactive agents of interest and demonstrate stable properties with similarities to colloidal molecular structures. The compositions enhance topical transdermal fluxes of bioactives without permanently disrupting natural skin barrier function.

(10) Patent No.: US 9,084,818 B2

(45) Date of Patent: Jul. 21, 2015

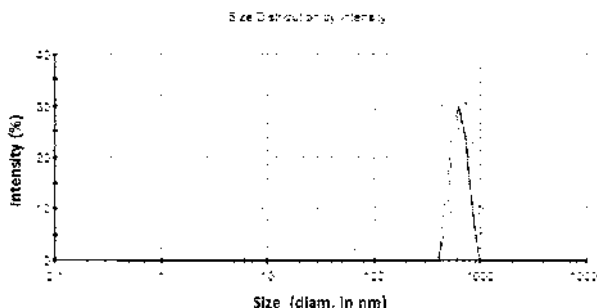


Figure 3. Nanoparticle Size Distribution

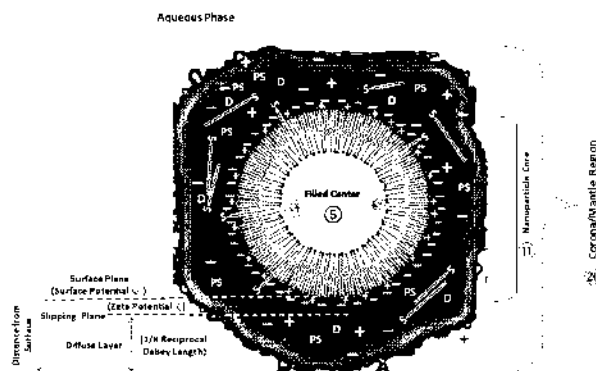


FIGURE 1

	Mean (mV)	Area (%)	Width (mV)
Zeta Peak 1	-5.6	100.0	7.93
Zeta Deviation (mV)	7.93	0.0	0.00
Conductivity (mS/cm)	0.0285	0.0	0.00

Result quality: 100%

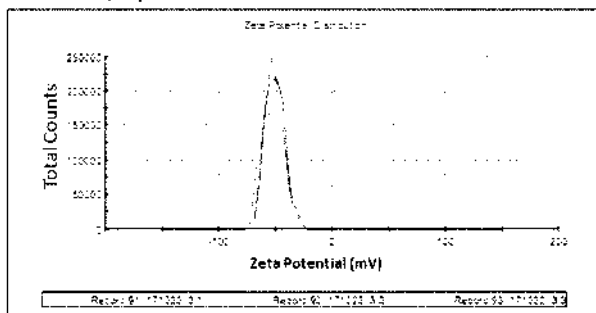


Figure 2. Zeta Potential Distribution

Conclusion:

OFC1030 effectively delivered oxybutynin through the skin and into systemic circulation, as observed by resulting plasma concentrations. The composition has since been found to be usable with higher concentrations of oxybutynin. Feasibility of formulating using this present invention has also been demonstrated for tolterodine and trospium.

We claim:

1. A composition for transdermal delivery of a bioactive agent comprising:

a. an aqueous-dispersive phase consisting of water at 40% or more of the delivery composition by weight and supportive base components;

b. nanoparticles comprising:

- i. 4-20% of delivery composition weight of four or more cetylated or stearyl esters in combinations best suited for the permeation of said active agent through the skin; said cetylated compounds are selected from the group consisting of cetyl arginine, cetyl betaine, cetyl 11-cyclohexylundecanoate, cetyl decanoate, cetyl dihydro- γ -linolenate, cetyl dimethicone, cetyl docosapentanoate, cetyl eicosapentanoate, cetyl ethylhexanoate, cetyl isolaurate, cetyl isononanoate, cetyl laurate, cetyl linolenate, cetyl methacrylate, cetyl 13-methyl myristate, cetyl myristoleate, cetyl myristate, cetyl oleate, cetyl ornithine, cetyl palmitate, cetyl palmitoleate, cetylated polyethylenimine, cetyl ricinoleate, cetyl stearate, cetyl stearidonate, stearyl glycyrrhetinate, stearyl stearate and stearyl methacrylate; and

- ii. cetyl or stearyl alcohols, either singly or in combination, to have a molar ratio to cetyl esters of 1:3 or greater; and



iii. interfacing agents comprising:

1. 1-20% of delivery composition weight of one or more surfactants; and
2. one or more polar solvents present in combined concentrations ranging from 2-30% of delivery composition weight, wherein the solvents are selected from the group consisting of alcohols, dipropylene glycol, ethoxydiglycol, glycerol, ethylene glycol, 1,2,6-hexane triol, 1,2,4-butane triol, propylene glycol ether of methyl glucose or a sorbitol, dimethicone copolyol, a polyethylene glycol, polyvinyl pyrrolidone and propylene glycol.

wherein the nanoparticles have a zeta potential ranging either from -20 mV to -100 mV or from $+20$ mV to $+100$ mV.

2. The composition of claim 1 wherein said one or more surfactants are selected from the group consisting of sodium dodecyl sulfate, sodium laureth sulfate, alkyl benzene sulfonate, cetyl trimethyl ammonium bromide, cetyl trimethyl ammonium chloride, cetylpyridinium chloride, a cremophor, benzalkonium chloride, dodecyl betaine, dodecyl dimethylamine oxide, cocamidopropyl betaine, nonionic alkyl poly(ethylene oxide), copolymers of poly(ethylene oxide), alkyl polyglucosides, PEG 100 stearate, pluronic F-127, polysorbate, sodium lauryl sulfate, sodium lauryl sarcosinate, sodium dioctyl sulfosuccinate, sorbitol esters, sorbitan sesquiolate, sucrose cocanoate, sucrose distearate, sucrose dilaurate, sucrose laurate, sucrose palmitate, sucrose poly laurate, sucrose stearate and tragacanth.

3. The composition of claim 1, wherein said delivery composition is in the form of a cream, gel, ointment, foam, lotion, spray, patch, or stick gel.

4. The composition of claim 1, further comprising one or more bioactive active agents, wherein the one or more bioactive agents are selected from the group consisting of an anesthetic, anti-diarrheal, antioxidant, analgesic, antihypertensive, anticholinergic, antiarrhythmic, beta-adrenergic blocker, adrenergic stimulating agent, vasodilator, antimigraine, antineuropathic pain agent, diuretic, antidiuretic, antimicrobial, antiviral, antipyretic, antipsychotic, antidepressant, anti-convulsant, nonsteroidal anti-inflammatory, anti-rheumatoid agent, steroid replacement agent, corticosteroid, neuromuscular transmission blocker, allergens for desensitization, anti-dandruff agent, anti-skin cancer agent, antihistaminic, ceramide, protein, peptide, tanning agent or a cosmeceutical compound.

5. The composition of claim 4, wherein the bioactive active agent, alone or in combination, is oxybutynin, tolterodine, trospium, testosterone, estrogen, estradiol, progesterone, corticosteroid or prednisone.

6. The composition of claim 4, wherein the bioactive active agent alone or in combination is selected from the group consisting of amitriptyline, ambucaine, ketamine, nortriptyline, valproate, phenytoin, thiopentone, pentobarbital, propofol, isoflurane, felbamate, lorazepam, midazolam, benzodiazepam, diazepam, lidocaine, clobazam, folic acid, pyridoxine, gabapentin, oxycodone, pramoxine and pregabalin.

7. The composition of claim 4, wherein the bioactive active agent alone or in combination is diclofenac, ketoprofen, ibuprofen, naproxen, other COX1 or COX2 enzyme inhibitors, a vitamin, methylcobalamin, panthenol, benfotiamine, niacinamide, calcipotriol, catechin, capsaicin or curcumin.

8. The composition of claim 4, wherein the bioactive active agent alone or in combination is a protein based serum, a ceramide, small peptides, an antioxidant, a co-polymer or an elastomer for use in skin firming.

432one™

SENSITIVE SKIN RELIEF CREAM.

Patented **Cetosomes® Delivery Technology**

4 Soothing Agents: Carnella Asiatica Extract, White Licorice Extract, Oat Beta Glucan, Sodium Hyaluronate
3 Barrier Control Agents: Madecassosol, Licorhizol Pali, Glycoside Licorice Extract
2 Nourishing Agents: Panthenol, Allantoin
One Patented Delivery Cosmeceut™ Technology

Relief Cream
Alcohol Free
Paraben Free
Dermatologically Tested
for Sensitive Skin
50g / 1.76 fl. oz.



For All Skin Types
432one
No Added Fragrance

microcosm

432one is a precision-formulated, multi-active Soothing & Barrier repair cream engineered for sensitive, blemish prone, and post-procedure skin.

For All Skin Types
432one



Relief Cream
Alcohol Free
Paraben Free
Dermatologically Tested
for Sensitive Skin
50g / 1.76 fl. oz.

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3 Barrier Control Agents: Madecassosol, Licorhizol Pali, Glycoside Licorice Extract
2 Nourishing Agents: Panthenol, Allantoin
One Patented Delivery Cosmeceut™ Technology

Why Prescribe?

1 POST PROCEDURE PROTOCOL READY

Helps calm redness, burning, and irritation following lasers, chemical peels, microneedling, and dermabrasion.

3 TOLERABILITY ENHANCER

Helps reduce peeling, and dryness associated with tretinoin, azelaic acid, and BHA use.

2 LICENSED USA FORMULATION

Under license from Cymbiotics Inc., USA International-standard formula

4 MULTI-BENEFIT IN ONE SKU

Soothing + Blemish control + Hydration in a single lightweight cream. Simplifies the patient regimen and maximises adherence.

The 432one framework for skin relief :-

4 + 3 + 2 + One

Soothing Agents

- 4 Centella Asiatica Extract
- 3 Witch Hazel Extract
- 2 Oat Beta Glucan
- 1 Sodium Hyaluronate

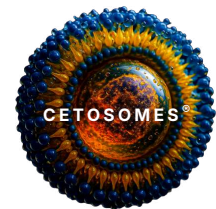
Blemish Control

- 3 Melazero
- 2 Ichthyol Pale
- 1 Glycoside Licorice Extract

Nourishing Agents

- 2 Avenoplex
- 1 Milk Protein

Cetosomes Tech.



Ideal Patient Profile

- 1 Post laser - post peel
- 2 Sensitive skin
- 3 Retinoid support
- 4 Acne prone skin
- 5 Post microneedling

Why Prescribe?

VERY HIGH CERAMIDE LOAD

At 2.5–3%, Your most flare-prone, sensitive patients need this kind of potency to truly calm down.

EVIDENCE-ALIGNED FORMULATION

Formulated in line with National Eczema Association (USA) guidelines.

VISIBLE REDNESS REDUCTION

Ichthyol Pale + Allantoin work together to visibly reduce erythema and inflammation, often perceptible within days

INGREDIENTS FOR SKIN COMFORT

Helps calm itch-inflammation cycle at the surface level and provides comfort.

NON-STEROIDAL PRODUCT

Gentle, steroid-free daily formula for skin-barrier support.

SUPPORT CALM BETWEEN FLARES

Supports ongoing skin barrier maintenance by helping the skin's natural calm state.

+ 2.5 - 3% Ceramides

5-10x the Standard

Ceramide NP

Ceramide AP

Ceramide EOP

Triple ceramide complex

Key Actives

✔ NIACINAMIDE

✔ COLLOIDAL OATMEAL

✔ ICHTHYOL PALE

✔ PHYTOSPHINGOSINE

✔ ALLANTOIN

✔ TOCOPHEROL

✔ PANTHENOL

✔ TOCOTRIENOL

DUAL
VITAMIN E
SYSTEM

Key Benefits

- ✔ Supports Barrier Reconstruction
- ✔ Reduces TEWL and calms pruritus
- ✔ Triple Anti-Inflammatory pathway

Ideal Patient Profile

1. Sensitive & Redness-Prone
2. Manage symptoms of Atopic Dermatitis, Eczema and Psoriasis.

4ZERØ1™

PRECISION BARRIER REPAIR CREAM

Patented *Cetosomes® Delivery Technology*

Formulated to restore, reinforce & protect the skin barrier ideal for compromised & aged skin, Dermatologically tested



Why Prescribe?

Deep & Sustained Hydration

Multi-layer humectant + emollient blend (Glycerin, Sodium Gluconate, Xylitol) ensures prolonged moisture lock without occlusive heaviness.

Anti-inflammatory Action

Oat + Licorice + Niacinamide triple-combo actively calms redness, irritation & reactive skin conditions including rosacea.

Barrier Restoration

Restores the compromised lipid matrix. Reduces TEWL (Trans - epidermal water loss)

Antioxidant Protection

Tocopherol (Vit. E) + Licorice neutralise free radicals, delay photoageing & support long-term barrier integrity.

01

Hydrate

Deep moisture retention via multi-layer humectants Glycerin, Sodium Gluconate & Xylitol

02

Regenerate

Panthenol, Allantoin & Oat Kernel Extract help in accelerating epidermal renewal.

03

Retain

Cetosome® lipid vesicles + Shea Butter form a breathable occlusive film, locking moisture and preventing barrier breach.

04

Protect

Tocopherol, Tocotrienol & Licorice neutralise free radicals, delay photoageing and fortify barrier integrity long-term.

ZERO

- ✗ No Parabens
- ✗ No Alcohol
- ✗ No Fragrance
- ✗ No Petroleum
- ✗ No Mineral Oil
- ✗ No SLS / SLES

Key Actives

✔ Niacinamide

✔ Pro Barrier CLR™ [Germany]

✔ Shea Butter

✔ Aquaxyl™ [France]

✔ Panthenol + Allantoin

✔ InfraGuard™ [Switzerland]

Ideal Patient Profile

1. Dry & Dehydrated Skin
2. Aged Skin
3. Skin that needs barrier repair

nanogrow™

NON-MINOXIDIL HAIR SERUM

Patented *Cetosomes® Delivery Technology*

The non-minoxidil, non-sticky scalp serum engineered for precision hair improvement. US-patented Cetosomes® Technology for follicular-level delivery without greasiness.



Why Prescribe?

01 Non-minoxidil Hair Serum

Formulated with ingredients studied for scalp and hair health. Great for patients hesitant about minoxidil or finasteride.

02 Excellent Patient Compliance

Non-sticky, non-greasy texture. Leave-on with no rinsing-fits seamlessly into AM or PM routines without cosmetic compromise.

03 Addresses All Four Pillars

4 pathway architecture within a single product that helps in Hair Loss, Hair Growth, Shaft Repair, and Hydration.

Key Actives

4-pathway Architecture targeting follicular penetration.

FOR HAIR LOSS

- ✔ ANAGAIN
- ✔ NIGELLA SATIVA (BLACK SEED OIL)

FOR HYDRATION

- ✔ GLUCAVEEN™
- ✔ PANTHENOL

FOR HAIR GROWTH

- ✔ OAT BETA GLUCAN
- ✔ CAFFEINE
- ✔ BIOTIN

FOR SHAFT REPAIR

- ✔ GLAUDIN™
- ✔ SAW PALMETTO

SUPPORT ACTIVES

- ✔ Niacinamide
- ✔ Polyglutamic Acid
- ✔ Betaine
- ✔ Hydrolyzed Vegetable Protein

KEY BENEFITS

- ✔ Reduces hair fall
- ✔ Supports hair growth
- ✔ Strengthens hair roots
- ✔ Nourishes scalp

Ideal Patient Profile

1. Helps alongside PRP & GFC
2. Minoxidil / finasteride-hesitant patients
3. Daily AM/PM scalp & hair routine
4. Early visible thinning & increased shedding



AZTRA-X™

DUAL-ACTIVES FOR DE-PIGMENTATION

Azelaic Acid 15% + Tranexamic Acid 3%

AZTRA-X is a high-potency, dual-active depigmentation cream that helps with stubborn hyperpigmentation, Post-Inflammatory Hyperpigmentation (PIH), and Melasma.

Why Prescribe?

01

Non-Hydroquinone Formula

Formulated without hydroquinone and suitable for darker Fitzpatrick types (III-VI).

02

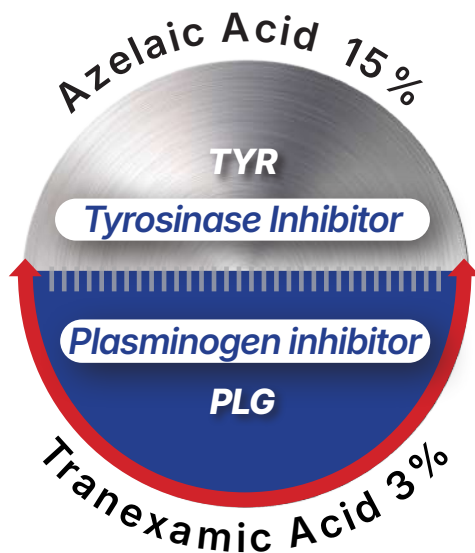
Broad Indication Spectrum

One prescription addresses melasma, PIH, acne-related pigmentation and generalised uneven tone - reducing polypharmacy for your patient.

03

Synergistic Dual Pathway

No single active targets all pigmentation pathways. AZTRA-X combines melanocyte suppression (AA) with melanin transfer disruption (TA) for deeper, more complete results.



- ✔ Known to reduce Melanin Production.

One Synergistic Solution

- ✔ Reduces Melanocyte Activity via Inflammatory Pathways.

Key Usages

- ✔ Helps in hyperpigmentation concerns
- ✔ Reduces Discoloration & helps in melasma
- ✔ Reduces Acne & Blemishes

AI Assisted Formulation

- ✔ Reduces Stubborn dark patches
- ✔ Supports Smoother & Brighter skin
- ✔ Reduces Rosacea & Redness

Ideal Patient Profile

1. Post-Inflammatory Hyperpigmentation
2. Melasma
3. Stubborn Dark Patches
4. Textured Skin



RX ONLY

ACNE-TECH™

TRETINOIN GEL USP 0.025% W/W
(AS MICROSPHERES)

WARNING : To be sold by retail on the prescription of a Registered Medical Practitioner only. This material is for professional reference only, not for distribution to consumers or non-prescribers, and is not an advertisement or inducement to prescribe.

Why Prescribe?

01 Proven Molecule

50+ years of clinical evidence. Tretinoin remains the most-studied topical retinoid in acne guidelines worldwide

02 Higher Adherence

Reduced irritation profile translates directly to better patient compliance and sustained treatment outcomes

03 Targets All Factors

Addresses comedogenesis, desquamation, inflammation & PIH simultaneously.

Key Benefits

- ✔ Gold Standard for Acne Treatment
- ✔ Microsphere controlled release
- ✔ Unclogs pores
- ✔ Proven global technology
- ✔ Vacuum Sealed Metered-Dosing
- ✔ Sustained delivery
- ✔ Improves skin texture
- ✔ Aqueous gel base - No Alcohol

MICRO-PHARMACY CHANNEL ONLY

Only available through Micro-Pharmacy channel for registered medical practitioners. Ask your Monoskin representative.

Ideal Patient Profile

1. Mild to Moderate Acne Vulgaris
2. Papulo-pustular Acne
3. Post-Acne Hyperpigmentation (PIH)
4. Adjunct in Moderate-Severe Acne
5. Comedonal Acne (Open & Closed)
6. Teenage & Adult Acne



8:00AM

AHA Cleanser · Glycolic Acid +
Aloe Vera + Vitamin E

Non-Irritant

Paraben-Free

Dermatologist Recommended

Microbead Enhanced

What is it?

A dermatologist-grade AHA face cleanser engineered for daily morning use. Combines chemical exfoliation with anti-inflammatory and antioxidant actives in a single, synergistic step.

Why Prescribe?

01. Dual Exfoliation = Superior Clearance

Chemical (Glycolic Acid) + Physical (Microcapsules) exfoliation ensures deeper comedone clearance than a single-mode cleanser.

02. Patient Compliance Simple Once-Step

Morning cleanser routine is easy for patients to build habit around. High compliance = sustained results = better satisfaction & retention.

03. Brightening Outcome

Patients see immediate skin glow. Visible results drive continued use reducing drop-offs and improving overall treatment outcomes.

Key Actives

Their Role

✔ Glycolic Acid 1.0% W/W

- ✔ AHA — Gold Standard
- ✔ Evens skin texture

- ✔ Unclogs pores
- ✔ Reduces acne & blackheads

✔ Aloe Vera Extract 5.0% W/W

- ✔ Anti-inflammatory
- ✔ Calms post-acne redness

- ✔ Soothes irritation
- ✔ Hydrates without occlusion

✔ Vitamin E Acetate 0.1% W/W

- ✔ Antioxidant
- ✔ Enhances skin glow

- ✔ Protects from oxidative damage
- ✔ Supports barrier repair

✔ Decyl Glucoside Base Active

- ✔ Gentle Surfactant
- ✔ pH-balanced cleanse

- ✔ Gentle on sensitive skin
- ✔ Non-comedogenic base

✔ Coloured Microcapsules Delivery Technology

- ✔ Enhanced Exfoliation
- ✔ Dual exfoliation

- ✔ Instant glow effect
- ✔ Refined pore appearance

Ideal Patient Profile

1. Acne regimens + Pre-retinoid preparation

3. Helps in Exfoliating dead skin cells

2. Oily skin control + Dull skin management

4. Overall daily skin cleansing

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