



Men's Care  
Innovations for the Well-Groomed Male





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# Introduction

Active Concepts is built upon three pillars; innovative technology platforms, market leading customer support, and products with a purpose. For almost two decades, Active Concepts has diligently embarked on an endeavor to develop complex, active ingredients that provide formulators with unmatched function, in order to meet and exceed the rapidly increasing consumer demand for more effective cosmetic technologies.

The modern man is mindful with his appearance and ever more aware of the benefits associated with a proper grooming routine. Men's personal care products used to consist of shaving cream, shampoo, and deodorant, but the result of the growing global men's grooming market is a myriad of products – moisturizers, facial cleansers, anti-aging lotions, concealers, and even facial masks—all designed specifically for men. Men's toiletries are one of the fastest growing categories, in terms of value and volume, in the beauty and personal care market. As the growing trend for tailor-made products continues, it is essential that proper active ingredients are included in men's formulations to meet men's specialized needs.

Active Concepts is constantly observing global market trends and creating new innovations, responding to the latest market demands. Active Concepts delivers a variety of scientifically tested active ingredients that address specific needs to cover the full range of a modern male grooming routine throughout the day. Using scientific methods, Active Concepts has developed multifunctional active ingredients supported by proven efficacy data to deliver exceptional benefits.

Active ingredients are assigned to a category for ease of browsing throughout this document. These categories are based on market demands and needs. Remedies for Skin Defense, Post Shaving, Problem Skin, Body Sculpting, and Beard Care are clear front-runners of interest. Men desire tailor-made solutions that deliver visible results. Active Concepts offers innovative, multifunctional active ingredients to support the formulator's success in the male personal care market.















Product Categories



# Skin Defense

Men's skin care, while similar, does differ from women's. Men's skin is known to be approximately 20% thicker than their female counterparts. Higher levels of androgenic hormones contribute to a man's thicker dermis and epidermis, while also contributing to increased levels of elastin and collagen in comparison to female skin. Elevated levels of testosterone are responsible for a man's increase in oil production, however the surface of a man's skin tends to be drier due to skin thickness and lower levels of natural moisture. Male skin undergoes significant disruption in barrier function as a result of shaving and environmental insult. It is vital to improve skin hydration and maintain an optimal skin barrier function as the skin is the first line of defense.

The active ingredients below reflect different strategies to quench skin's thirst and lock in hydration.

Product Code & Name	INCI Name	Mechanism	Multifunctional Benefits
 <b>20742 AcquaSeal® Coconut</b>	Cocos Nucifera (Coconut) Fruit Extract	Fractionated coconut lipids seal in moisture and transform the skin into a luxuriously soft, hydrated surface	<ul style="list-style-type: none"> <li>• Antioxidant protection</li> <li>• Perceivable sensorial attributes</li> <li>• Intense moisturization</li> </ul>
 <b>16586 Phytofuse Renew®</b>	Selaginella Lepidophylla Extract	Moisture Retentive Complex delivers a protective film to the skin and allows for powerful, long-term moisturization	<ul style="list-style-type: none"> <li>• Soothes skin</li> <li>• Improves barrier function</li> <li>• Antioxidant protection</li> </ul>
 <b>26001 AC Hyalurosoma</b>	Dimethicone & Phospholipids & Polymethylsilsesquioxane & Hyaluronic Acid	Liposome delivers time sensitive moisturization for a period that far exceeds that of traditional Hyaluronic Acid	<ul style="list-style-type: none"> <li>• Time-released hydration</li> <li>• Enhanced penetration</li> <li>• Smooths and softens skin</li> </ul>
 <b>12000 ACB Bio-Water Bamboo</b>	Lactobacillus/Arundinaria Gigantea Ferment Filtrate	Nutrient infused bamboo bio-water controls absorption and donation of cellular electrolytes to replenish skin moisture levels	<ul style="list-style-type: none"> <li>• Nutrient rich conditioning agent</li> <li>• Moisturizes with Zen appeal</li> <li>• Sustainably sourced</li> </ul>
 <b>10414 ABS Acai Sterols EFA</b>	Euterpe Oleracea Sterols & Linoleic Acid & Oleic Acid & Linolenic Acid	Acai derived essential fatty acids complement the skin's natural oil barrier to seal in hydration	<ul style="list-style-type: none"> <li>• Botanical replacement of lanolin and petrolatum</li> <li>• Standardized for essential fatty acids</li> <li>• Improves barrier function</li> </ul>
 <b>10568PF ABS Coconut Water PF</b>	Cocos Nucifera (Coconut) Water	Nutrient rich coconut water balances electrolytes to restore hydration and provide a tropical paradise for the skin	<ul style="list-style-type: none"> <li>• Hydrates for a refreshed look and feel</li> <li>• Natural electrolyte minerals</li> <li>• Nourishing and conditioning</li> </ul>
 <b>10535 ABS Moringa Pterygosperma Seed Extract</b>	Water & Glycerin & Moringa Pterygosperma Seed Extract	Renews the surface of the skin with increased protection from exposure to weathering elements with the help of the time-tested moringa seed	<ul style="list-style-type: none"> <li>• Skin conditioning</li> <li>• Increases barrier protection</li> <li>• Natural vitamins and minerals</li> </ul>
 <b>16882 Phytofuse Rejuvenate®</b>	Salvia Hispanica Seed Extract	Isolated polysaccharides from Chia create a synthetic scaffolding that promotes wound healing and aid in cellular proliferation	<ul style="list-style-type: none"> <li>• Anti-inflammatory</li> <li>• Promotes wound healing</li> <li>• Intense antioxidant</li> </ul>













# Post Shaving

Daily shaving constantly exposes skin to abrasions and micro-wounds that disrupt the skin's barrier function. The outermost layer of the skin can be removed with the razor blade while shaving, resulting in skin trauma and irritation. Androgens, including testosterone, depress wound healing by increasing inflammation, resulting in men exhibiting a slower rate of wound healing than women. It is essential to properly care for the impaired barrier function of freshly shaved skin. Razor burn and shave bumps are common frustrations for men who frequently shave, so products must be able to soothe the irritation and form a barrier to protect the skin while promoting healing. Repeated exposure to drying surfactants and environmental elements on a compromised skin barrier can lead to dry, inflamed skin.

The active ingredients below offer a range of mechanisms to soothe, calm, and heal the skin while promoting barrier function.

Product Code & Name	INCI Name	Mechanism	Multifunctional Benefits
 <b>16586 Phytofuse Renew*</b>	Selaginella Lepidophylla Extract	Moisture Retentive Complex delivers a protective film to the skin and allows for powerful, long-term moisturization	<ul style="list-style-type: none"> <li>• Enhances tactile properties</li> <li>• Improves barrier function</li> <li>• Antioxidant protection</li> </ul>
 <b>20228 ACB Agave HSP</b>	Saccharomyces/Agave Americana Leaf Ferment Filtrate	Heat shock proteins of the agave maximize epidermal hydration and stabilize cell membranes to repair, protect, and soothe the skin	<ul style="list-style-type: none"> <li>• Reduces erythema</li> <li>• Increases collagen synthesis</li> <li>• Promotes wound healing</li> </ul>
 <b>16503PF AC Moisture-Plex Advanced PF</b>	Glycerin & Water & Sodium PCA & Urea & Trehalose & Polyquaternium-51 & Sodium Hyaluronate	Increases cellular renewal and stabilizes epidermal phospholipids while improving moisture retention to soothe and hydrate the skin	<ul style="list-style-type: none"> <li>• Reduces evaporation</li> <li>• Balances moisture</li> <li>• Enhances barrier integrity</li> </ul>
 <b>16588 Phyto-Biotics Quercus™</b>	Quercus Alba Bark Extract	Phenolic metabolites of the White Oak impart antioxidant, soothing, antimicrobial and anti-aging benefits while enhancing cellular metabolism	<ul style="list-style-type: none"> <li>• Utilizes stem cell technology</li> <li>• Potent antioxidant</li> <li>• Increases cellular metabolism</li> </ul>
 <b>16882 Phytofuse Rejuvenate*</b>	Salvia Hispanica Seed Extract	Isolated polysaccharides from Chia create a synthetic scaffolding that promotes wound healing and aid in cellular proliferation	<ul style="list-style-type: none"> <li>• Anti-inflammatory</li> <li>• Promotes wound healing</li> <li>• Intense antioxidant</li> </ul>
 <b>16618 Probacillus Revive</b>	Lactobacillus Ferment Lysate	Isolates of <i>Lactobacillus bulgaricus</i> enhance cellular renewal and speed repair to reinvigorate and renew skin	<ul style="list-style-type: none"> <li>• Optimizes moisture levels</li> <li>• Maintains young, healthy looking skin</li> <li>• Capitalizes on probiotic trends</li> </ul>
 <b>20219PF AC Dermal Respiratory Factor Advanced PF</b>	Water & Saccharomyces Lysate Extract	Increases cellular oxygenation, wound healing, and reduces inflammation while promoting collagen and elastin synthesis	<ul style="list-style-type: none"> <li>• Relieves and repairs skin</li> <li>• Stimulates collagen and elastin production</li> <li>• Increases cellular respiration</li> </ul>
 <b>20339PF ACB Bio-Chelate 5 PF</b>	Water & Saccharomyces/Zinc Ferment & Saccharomyces/Copper Ferment & Saccharomyces/Magnesium Ferment & Saccharomyces/Iron Ferment & Saccharomyces/Silicon Ferment	Nutrient rich, fermented minerals efficaciously enhance barrier function and increase growth factor expression for healthier skin	<ul style="list-style-type: none"> <li>• Anti-inflammatory</li> <li>• Increases cellular energy production</li> <li>• Enhances barrier function</li> </ul>










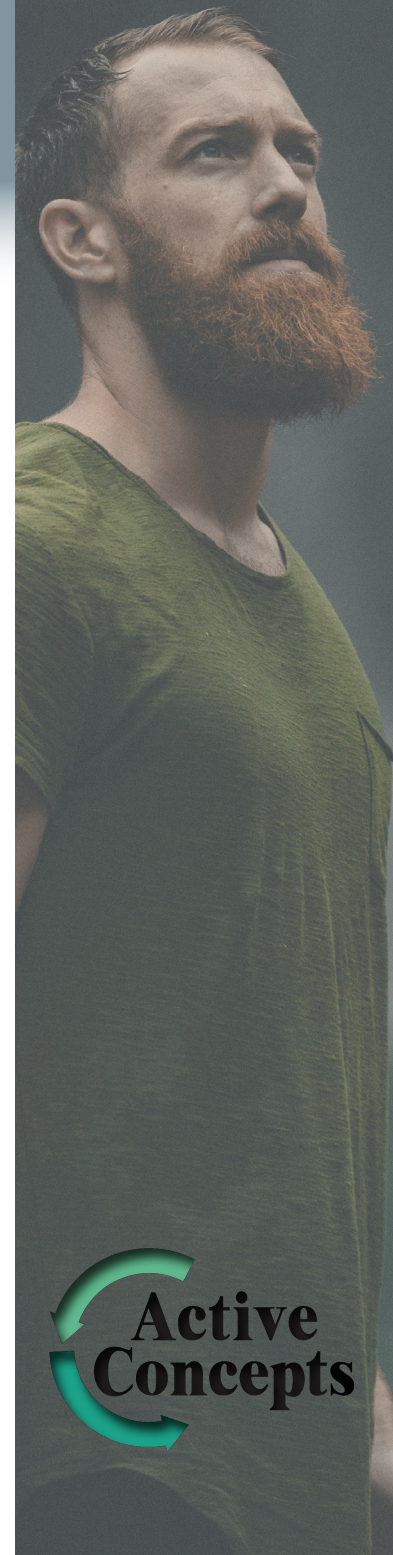


# Problem Skin

Testosterone affects almost every aspect of the male physiology, so it is no surprise that testosterone is a driving force in the appearance of a man's skin. Testosterone increases the production of facial and body sebum. While sebum provides protection and prevents water loss, an excess amount of sebum can wreak havoc on the skin. Pores increase in size to accommodate for increased sebum production. Enlarged pores can affect the surface and texture of the skin while excess sebum on the skin creates a favorable environment for the development of acne.

The active ingredients below reflect different approaches to control shine and combat problem skin.

	Product Code & Name	INCI Name	Mechanism	Multifunctional Benefits
	<b>10229 ABS White Willow Bark Extract Powder</b>	Salix Alba Bark Extract	Antimicrobial power of natural salicylates reduce erythema and inflammation to promote clear, smooth skin	<ul style="list-style-type: none"> <li>• Natural alternative to salicylic acid</li> <li>• Reduces redness and alleviates irritation</li> <li>• Excellent antioxidant protection</li> </ul>
	<b>20496 ACB Modified Pumpkin Enzyme PF</b>	Lactobacillus/Pumpkin Fruit Ferment Filtrate	Beneficial pumpkin phytochemicals gently exfoliate and moisturize to improve the appearance and texture of skin	<ul style="list-style-type: none"> <li>• Strong exfoliation</li> <li>• Balances moisture</li> <li>• Promotes healthy looking skin</li> </ul>
	<b>16617 ProRevive Blemish Balm Complex</b>	Lactobacillus/Salix Alba Bark Ferment Filtrate	Active compounds enhance cellular function, increase renewal and repair, and enhance collagen synthesis to improve skin tone and reduce imperfections	<ul style="list-style-type: none"> <li>• Stimulates collagen synthesis</li> <li>• Enhances cellular renewal</li> <li>• Antimicrobial</li> </ul>
	<b>10201PF ABS Lady's Mantle Extract PF</b>	Water & Alchemilla Vulgaris Extract	Powerful botanical polyphenols calm and soothe skin while reducing the appearance of pores to clean and refresh skin	<ul style="list-style-type: none"> <li>• Minimizes appearance of pores</li> <li>• Antioxidant protection</li> <li>• Moisturizing</li> </ul>
	<b>21002PF AC Biopolymer Soy PF</b>	Sodium C8-16 Isoalkylsuccinyl Soy Sulfonate	Modified protein with a lipid moiety disrupts the surface tension of sebum on the skin by naturally binding to excess sebum	<ul style="list-style-type: none"> <li>• Controls sebum</li> <li>• Film-forming</li> <li>• Intense antioxidant</li> </ul>
	<b>20395PF AC Sebum Control Enzyme PF</b>	Butylene Glycol & Water & Spiraea Ulmaria Extract	Naturally-derived tannins inhibit the production of the hormone that stimulates the sebaceous glands to prevent excess sebum and freshen skin	<ul style="list-style-type: none"> <li>• Controls oil and dryness</li> <li>• Natural astringent</li> <li>• Antimicrobial</li> </ul>
	<b>20073PF ACB Rice Bioferment PF</b>	Lactobacillus/Rice Ferment Filtrate	Polypeptide biopolymer minimizes the appearance of sebum and reflects light to mask the presence of pores	<ul style="list-style-type: none"> <li>• Sebum control</li> <li>• Minimizes appearance of pores</li> <li>• Promotes healthy looking skin</li> </ul>












# Body Sculpting

Influenced by toned athletes and actors, the modern man is looking to define and refine his perfect physique. In the past, men were encouraged to look after themselves in order to attract females – however, this new generation of men is looking more toward selfimprovement. This masculine revolution has led to a boom in body sculpting products that fit in with an active lifestyle. A combination of anti-aging, body sculpting, and antioxidant benefits can help any man refine his figure.

The active ingredients below feature different methods to visibly reduce imperfections and promote a youthful, toned aesthetic.








Product Code & Name	INCI Name	Mechanism	Multifunctional Benefits
 <b>16634 AC Griffonia Lysate Advanced</b>	Griffonia Simplicifolia Seed Extract	Naturally derived neurotransmitter and high molecular weight carbohydrates impart a tangible and supple film on the skin	<ul style="list-style-type: none"> <li>• Tightening and lifting</li> <li>• Neuro-cosmetic</li> <li>• Immediately perceivable results</li> </ul>
 <b>20793PF AC CytoSulf PF</b>	Plankton Extract	Plankton derived sulfide donors induce cellular stasis for skin that defies aging through practical science	<ul style="list-style-type: none"> <li>• Slows cellular aging</li> <li>• Moisturizing</li> <li>• Next generation anti-aging</li> </ul>
 <b>20757PF AC CytoPure PF</b>	Crypthecodinium Cohnii Extract	Activates the power of glutathione to reduce the accumulation of reactive oxygen species to contribute to cellular longevity and wound healing	<ul style="list-style-type: none"> <li>• Anti-pollution active</li> <li>• Cellular detoxification</li> <li>• Wound healing</li> </ul>
 <b>20456PF AC DermaPeptide Tightening PF</b>	Hydrolyzed Wheat Protein	High molecular weight wheat proteins form a continuous elastic film on the skin surface that tightens and firms	<ul style="list-style-type: none"> <li>• Rapid tightening</li> <li>• Film-forming</li> <li>• Firming</li> </ul>
 <b>16504 AC Hydrating Seaweed Complex</b>	Pentaerythrityl Tetraethylhexanoate & Laminaria Japonica Extract & Nereocystis Leutkeana Extract & Macrocystis	Seaweed extracts provide superior moisture for smooth, soft, and supple lips and skin	<ul style="list-style-type: none"> <li>• Smooths and moisturizes</li> <li>• Tightening effect</li> <li>• Reduces visible signs of aging</li> </ul>
 <b>60131PF AC Caffeine Liposome PF</b>	Water & Phospholipids & Caffeine	Caffeine-incorporated liposome enhances the increased microcirculation benefits of caffeine on the skin	<ul style="list-style-type: none"> <li>• Antioxidant</li> <li>• Increases microcirculation</li> <li>• Slimming effect</li> </ul>
 <b>10286 ABS Apple AHA's</b>	Water & Propylene Glycol & Malic Acid & Pyrus Malus (Apple) Fruit Extract & Glycolic Acid & Lactic Acid & Citric Acid	Natural source of Alpha Hydroxy Acids exfoliate the outermost layer of the skin to visibly reduce imperfections	<ul style="list-style-type: none"> <li>• Immediately perceivable smoothness</li> <li>• Exfoliates and softens skin</li> <li>• Anti-aging</li> </ul>



# Beard Care

The men's hair care market is rapidly expanding. The trend of facial hair continues to be fashion-forward, while also spanning across all social classes – no longer limited to the confines of an urban hipster trend, beards are now frequently seen, and accepted, in the corporate world! This has led to an increased demand for 'beyond shaving' grooming products including facial hair maintenance, conditioning, and styling. Testosterone drives the production of coarse facial hair, and the hair's flatter shaped follicle makes it curlier. The thickness and curl of facial hair can result in a dry, unruly beard.

The active ingredients below detail optimal solutions for conditioned, healthy hair.

	Product Code & Name	INCI Name	Mechanism	Multifunctional Benefits
	<b>20037 ACB Quinoa Protein</b>	Hydrolyzed Quinoa	Isolated, high content, naturally occurring proteins offer relief for dry hair	<ul style="list-style-type: none"> <li>• Nourishes</li> <li>• Delivers intense hydration</li> <li>• Strengthens hair fiber</li> </ul>
	<b>10558 ABS Royal Jelly Extract G</b>	Glycerin & Royal Jelly	Vitamins deeply nourish and condition cuticle to deliver a smooth, sleek aesthetic	<ul style="list-style-type: none"> <li>• Reduces frizz</li> <li>• Seals cuticle</li> <li>• Anneals split ends</li> </ul>
	<b>20742 AcquaSeal® Coconut</b>	Cocos Nucifera (Coconut) Fruit Extract	Fractionated lipids impart rapid, efficacious, immediate and long term moisture relief to dehydrated hair	<ul style="list-style-type: none"> <li>• Tactily manageable</li> <li>• Improves shine</li> <li>• Enhances combability</li> </ul>
	<b>20036 ACB Kale Protein Blend</b>	Hydrolyzed Kale Protein & Hydrolyzed Carrot Protein & Hydrolyzed Lemon Protein	Proteins adhere to hair fiber to moisturize and simultaneously create a functional film and protective barrier	<ul style="list-style-type: none"> <li>• Volumizes</li> <li>• Locks in moisture</li> <li>• Enhances shine</li> </ul>
	<b>16810 ACB Pisum Sativum Peptide</b>	Pisum Sativum (Pea) Peptide	Effectively conditions and moisturizes strands through its superior film forming and deep conditioning properties	<ul style="list-style-type: none"> <li>• Improves combability</li> <li>• Creates softer hair</li> <li>• Antioxidant</li> </ul>
	<b>10247 ABS Pomegranate Sterols</b>	Punica Granatum Sterols	Lipid fractions produce increased moisture levels and a protective barrier from environmental stressors	<ul style="list-style-type: none"> <li>• Minimal tackiness</li> <li>• Adds smooth shine to hair</li> <li>• Super fruit trend</li> </ul>
	<b>20039 ACB Botanical Sugar Complex</b>	Tapioca Starch & Lactobacillus Ferment Lysate	Fermentation of botanicals result in enhanced bioavailability allowing for ready absorption of moisture into the hair	<ul style="list-style-type: none"> <li>• Nourishes hair</li> <li>• Anti-frizz</li> <li>• Antioxidant properties</li> </ul>







Sample Formulations

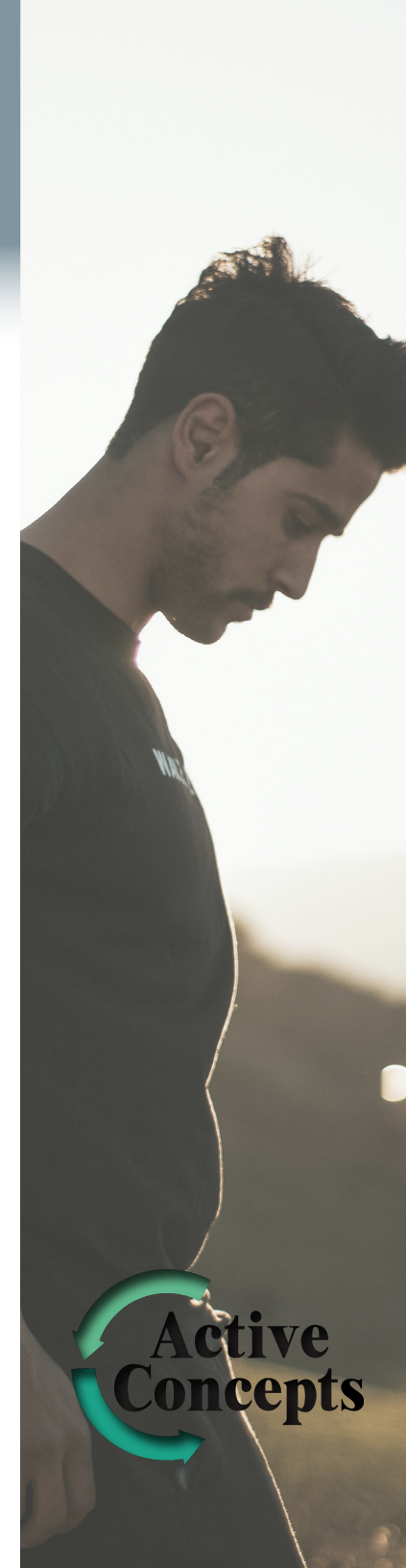


# Shampoo & Face Wash

Cleanse and care for the face and hair with this 2-in-1 product. ACB Kale Protein Blend combines the power of kale, carrot, and lemon into one nutrient rich formula to moisturize and condition the skin while increasing managability of the hair.

Trade Name	INCI Name	%	Vendor
<b>Phase A</b>			
Deionized water	Water (Aqua)	50.90	Local
Disodium EDTA	Disodium EDTA	0.10	Spectrum Chemical
Calfoam® ES-302	Sodium laureth sulfate	13.00	Nexeo Solutions
Cola® Teric COAB-UP	Cocamidopropyl betaine	6.00	Colonial Chemical
Pureact WS	Sodium methyl cocoyl taurate	5.00	Innospec
<b>Phase B</b>			
Stepan Mild® GCC	Glyceryl Caprylate/Caprata	2.00	Stepan Company
Glucolam® MG	PEG-120 methyl glucose dioleate	3.00	Aqia
<b>Phase C</b>			
Citric acid	Citric acid	q.s.	Spectrum Chemical
<b>Phase D</b>			
<b>16810 ACB Pisum Sativum Peptide</b>	Pisum Sativum (Pea) Peptide	3.00	Active Concepts
Deionized water	Water (Aqua)	10.00	Local
<b>20036 ACB Kale Protein Blend</b>	Hydrolyzed Kale Protein & Hydrolyzed Carrot Protein & Hydrolyzed Lemon Protein	2.00	Active Concepts
<b>Phase E</b>			
<b>M15024 Leucidal® Liquid Complete</b>	Leuconostoc/Radish Root Ferment Filtrate & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	4.00	Active Micro Technologies
Fragrance* (FAV-118077)		1.00	
<b>Formulation Guidelines</b>			

1. Mix Phase A until it is homogeneous.
2. Add Phase A to a mixed Phase B under stirring.
3. Adjust pH to 6.5-7 using Citric Acid.
4. Pre-mix Phase D and add to main beaker while stirring
5. Cool and add Phase E.





# Exfoliating Facial Scrub

Gently cleanse and smooth rough, problem skin with this exfoliating face scrub. ABS White Willow Bark Extract Powder and ACB Papaya Enzyme OS naturally exfoliate to reveal clearer, healthier looking skin.

Trade Name	INCI Name	%	Vendor
<b>Phase A</b>			
Deionized Water	Water (Aqua)	62.00	Local
Keltrol®	Xanthan Gum	1.00	CP Kelco
Glycerin	Glycerin	3.00	Spectrum Chemical
<b>10229 ABS White Willow Bark Extract Powder</b>	Salix Alba (Willow) Bark Extract	4.00	Active Concepts
Amphosol® HCG-HP	Cocamidopropyl Betaine	10.00	Stepan
<b>Phase B</b>			
<b>30101 Phytomulse® Chlorella</b>	Cetearyl Alcohol & Glyceryl Stearate & Chlorelleth-20	6.00	Active Concepts
<b>20246 ACB Papaya Enzyme OS</b>	Lactobacillus/Papaya Fruit Ferment Extract & Carica Papaya (Papaya) Seed Oil	5.00	Active Concepts
<b>Phase C</b>			
Citric Acid	Citric acid	q.s.	Spectrum Chemical
<b>10119 ABS Green Coffee Bean Powder</b>	Coffea Robusta Seed Powder	5.00	Active Concepts
<b>M15024 Leucidal® Liquid Complete</b>	Leuconostoc/Radish Root Ferment Filtrate & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	4.00	Active Micro Technologies

## Formulation Guidelines

1. Disperse xanthan gum in water with continuous agitation while heating to about 65-70°C.
2. Add remaining Phase A ingredients, mixing well to ensure dispersion before adding the next.
3. Gently heat Phase B until dissolved and uniform.
4. Add Phase B to Phase A with continuous mixing.
5. Adjust pH to 5.5 using Citric Acid.
6. Add in Leucidal® Liquid Complete, mix well.
7. With gentle paddle agitation, add in physical exfoliant- ABS Green Coffee Bean Powder.



# Conditioning Shave Cream

Soften facial hair and minimize irritation by conditioning while you shave. AcquaSeal® Coconut intensely moisturizes and deeply nourishes for an easy shave and softer skin.

Trade Name	INCI Name	%	Vendor
<b>Phase A</b>			
Deionized Water	Water (Aqua)	65.00	Local
Keltrol®	Xanthan Gum	1.00	CP Kelco
<b>20219PF AC Dermal Respiratory Factor Advanced PF</b>	Water & Saccharomyces Lysate Extract	1.00	Active Concepts
<b>Phase B</b>			
<b>20742 AcquaSeal® Coconut</b>	Cocos Nucifera (Coconut) Fruit Extract	3.00	Active Concepts
Cetanol	Cetyl Alcohol	2.00	Kao
Emersol® 7036	Stearic Acid	4.00	Emery Oleochemical
<b>16700 ABS Macadamia Butter</b>	Macadamia Intergrifolia Seed Oil & Hydrogenated Macadamia Seed Oil	5.00	Active Concepts
<b>20622 AC Silk Hydrolysate OS</b>	Cocoyl Hydrolyzed Silk	2.00	Active Concepts
<b>10543 ABS Coconut Extract OS</b>	Helianthus Annuus (Sunflower) Seed Oil & Cocos Nucifera (Coconut) Fruit Extract	8.00	Active Concepts
<b>Phase C</b>			
Amphosol® HCG-HP	Cocamidopropyl Betaine	5.00	Stepan
<b>Phase D</b>			
<b>M15024 Leucidal® Liquid Complete</b>	Leuconostoc/Radish Root Ferment Filtrate & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	4.00	Active Micro Technologies

## Formulation Guidelines

1. Disperse xanthan gum in water with continuous agitation while heating to about 65-70°C.
2. Add AC Dermal Respiratory Factor Advanced PF, mix well.
3. Melt phase B components in a separate glass beaker by heating them to about 65-70°C.
4. When melted, add phase B to phase A, and homogenize the mixture for 5 minutes at 65-70°C.
5. Remove from the heat and start cooling under continuous stirring to 50°C.
6. Once phase A/B reaches 50°C, add phase C and homogenize the mixture.
7. After reaching room temperature, add phase D and slowly mix until uniform.





# Anti-Aging Aftershave

Soothe and refresh skin immediately after shaving while helping to keep skin looking younger longer. This anti-aging aftershave features AC CytoSulf PF to induce cellular stasis and defy aging.

Trade Name	INCI Name	%	Vendor
<b>Phase A</b>			
Deionized Water	Water (Aqua)	68.10	Local
Carbopol® 940	Carbomer	0.50	Lubrizol
Polysorbate 80	Polysorbate 80	0.50	Spectrum Chemical
Tetrasodium EDTA	Tetrasodium EDTA	0.20	Spectrum Chemical
<b>20793PF AC CytoSulf PF</b>	Plankton Extract	1.00	Active Concepts
<b>Phase B</b>			
<b>30301 SilDerm® Smoothing</b>	Cyclomethicone & Dimethicone	2.00	Active Concepts
<b>30100 Phytomulse® Amaranth</b>	Cetearyl Alcohol & Glyceryl Stearate & Amarantheth-20	5.00	Active Concepts
Xiameter® PMX-0245	Cyclopentasiloxane	5.00	Dow
Ethanol	Alcohol	7.00	Spectrum Chemical
Sodium Hydroxide	Sodium Hydroxide	0.50	Coast Southwest
Vitamin E Acetate	Tocopheryl Acetate	0.20	Spectrum Chemical
<b>20462 AC Fractionated Lemon Cooling OS</b>	Citrus Limon (Lemon) Fruit Extract	5.00	Active Concepts
<b>10289 ABS Olive Extract OSQ</b>	Squalane & Olea Europaea (Olive) Fruit Extract	1.00	Active Concepts
<b>Phase C</b>			
<b>M15024 Leucidal® Liquid Complete</b>	Leuconostoc/Radish Root Ferment Filtrate & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	4.00	Active Micro Technologies

## Formulation Guidelines

1. Sprinkle Carbopol® 940 polymer on the surface while mixing and wait until the polymer is self-wetted.
2. Add remaining Phase A ingredients with continuous mixing. Ensure dispersion before adding the next.
3. Combine Phase B ingredients into a mixer, mix until uniform.
4. Add Phase B to Phase A with continuous mixing.
5. Add Phase C.



# Environmental Defense Lotion

Protect skin from the damaging effects of environmental stress with this dual action SPF and anti-pollution lotion. AC CytoPure PF detoxifies cells from within to defend against pollution-driven aging.

Trade Name	INCI Name	%	Vendor
<b>Phase A</b>			
Deionized Water	Water	42.40	Local
Liposorb® L-20	Polysorbate 20	1.00	Vantage
<b>Phase B</b>			
Glycerin U.S.P. Natural 96%	Glycerin	4.00	Cognis Corp.
KELTROL® CG	Xanthan Gum	0.20	CP Kelco
<b>Phase C</b>			
Dermol 25B	C12-15 Alkyl Benzoate	23.15	Alzo International Inc.
TNSS75MZCM	Zinc Oxide & Ethylhexyl Methoxycrylene & C12-15 Alkyl Benzoate & Polyhydroxystearic Acid & Hydrogen Dimethicone	9.80	Kobo Products
<b>30102 Phytomulse® Coconut</b>	Cetearyl Alcohol & Glyceryl Stearate & Coceth-20	3.45	Active Concepts
<b>20742 AcquaSeal® Coconut</b>	Cocos Nucifera (Coconut) Fruit Extract	0.50	Active Concepts
<b>Phase D</b>			
<b>16882 Phytofuse® Rejuvenate</b>	Salvia Hispanica Seed Extract	2.00	Active Concepts
<b>20042 ACB Wakame Bioferment Advanced</b>	Undaria Pinnatifida Cell Culture Extract	1.00	Active Concepts
<b>20456PF AC DermaPeptide Tightening PF</b>	Hydrolyzed Wheat Protein	2.00	Active Concepts
<b>20757PF AC CytoPure PF</b>	Cryptocodium Cohnii Extract	2.50	Active Concepts
<b>20339PF ACB Bio-Chelate 5 PF</b>	Water & Saccharomyces/Zinc Ferment & Saccharomyces/Copper Ferment & Saccharomyces/Magnesium Ferment & Saccharomyces/Iron Ferment & Saccharomyces/Silicon Ferment	2.00	Active Concepts
<b>Phase E</b>			
<b>M15025 Leucidal® SF Complete</b>	Lactobacillus Ferment & Lactobacillus & Cocos Nucifera (Coconut) Fruit Extract	2.00	Active Micro Technologies
<b>Phase F</b>			
MSS-500W	Silica	3.00	Kobo Products
Sepigel™ 305	Polyacrylamide & C13-14 Isoparaffin & Laureth-7	1.00	ChemyUnion/SEPPIC

## Formulation Guidelines

1. Combine Phase A into main beaker and heat to 70°C.
2. In a separate container, combine Phase B ingredients into a slurry. Add Slowly to Phase A while mixing.
3. In a separate container, combine Phase C ingredients and heat to 70°C.
4. Add Phase C to main beaker under homogenization.
5. Let cool to 45°C.
6. Add Phases D & E to main beaker at 45°C.
7. Add Phase F ingredients separately.







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