

ISP BeautyButters™

Ingredients that Deliver Beauty
...Naturally

Moisturize

Restore

Rejuvenate



INTERNATIONAL SPECIALTY PRODUCTS

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ISP BeautyButters™

ISP has expanded its high-quality line of emollients to include a family of natural moisturizers we call ISP BeautyButters. First in the ISP BeautyButters line is our Refined Shea Butter.

A Centuries Old Solution

Shea Butter has been prized for centuries in Africa because of its amazing moisturizing, healing and protective properties. An abundant natural resource derived from the fruit of the indigenous Shea (Karite) tree, shea butter is found in locally made soaps and applied directly to skin and hair by women throughout central Africa to provide protection from the harsh African environment.

Over time, this traditional treatment has found its way from the African Savannah into local drug stores around the world, receiving a particularly warm reception in Europe and North America.

ISP Refined Shea Butter:

*Nature Made it Naturally,
ISP Refined it Beautifully*

Today, ISP has refined nature's beauty secret and now offers a high-quality shea butter for the global personal care industry. Our Refined Shea Butter is of the highest purity and, true to its roots, can be formulated easily into a wide range of hair and skin care products.

Specifically in the ethnic market, shea butter has been widely used in various skin and hair products and this practice continues today. Products incorporating shea butter range from facial moisturizers to foot creams and lotions, suncare, bath soaps, lip balms, and hair conditioners. No matter what the product, ISP's Refined Shea Butter is an excellent choice that works beautifully.

With ISP's Refined Shea Butter, formulators can develop superior consumer products that offer natural appeal, high-performance moisturizing claims and unsurpassed elegance. ISP's Refined Shea Butter will naturally reveal the softer, more beautiful side of skin and hair.



ISP BeautyButters™

Benefits

- Imparts excellent emolliency for a variety of personal care applications.
- Nourishes and moisturizes skin and hair.
- Melts at body temperature, making it an ideal emollient for various personal care applications.
- High content of natural unsaponifiables (5% min).*
- Stable and easy to formulate, improves rheology and imparts body, allowing design of elegant finished formulations.
- High purity and uniform quality.

* Unsaponifiable fraction is directly related to increased functionality of Shea Butter.

Chemistry

Chemical Description:

Triglycerides and Unsaponifiable Fraction

INCI Name: Butyrospermum Parkii (Shea Butter)

Tentative Product Specifications

Appearance:	Waxy solid
Color:	White to off-white (max 2.0)
Odor:	Slight fatty odor
Acid Value:	0.5 max
Peroxide Value:	1.0 max
Iodine Value:	62-72
Unsaponifiable Matter: ...	5% min

Other Typical Properties

Saponification Value:	183
Hydroxyl Value:	5
Density (50°C), b/cm3:	0.89
Melting Point:	33°C
Oil Stability Index (110°C): ..	30
Fatty Acid Composition (%):	
C12:0	<0.3
C16:0	4
C18:0	42
C18:1	45
C18:2	6
C18:3	0.1
C20:0	1.5

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Applications

ISP's Refined Shea Butter can be used in a wide variety of applications as noted below and is particularly suited for skin formulations that target dry and cracked skin healing and hair formulations that offer super conditioning to the hair and scalp.

Skin Care

- Hand and body creams and lotions
- Antiperspirants/deodorants
- Night creams
- Body washes
- Scrubs and oils
- Body butters
- Massage creams
- Shaving preparations
- Sensitive skin formulations

Color Cosmetics

- Lip Care - lip balms, lipsticks and lip ointments
- Foundations
- Concealers
- Eyeshadows and blushes

Sun Care

- Sunscreens
- Daily-wear sun protection products
- After-sun products

Hair Care

- Shampoos and conditioners
- Anti-frizz hair creams
- Nourishing hair masks
- Scalp care

Baby Care

- Diaper rash creams
- Moisturizing creams

Pet Care

- Skin and dander care
- Pet shampoos and conditioners

Topical Ointments

- First-aid creams
- Oral care creams
- Anti-acne and dermatological creams

ISP BeautyButters™

Lipstick

#11069-53-1

Description: Our Refined Shea Butter adds emolliency to this lipstick formulation while it works to nourish and moisturize the lips.

Beauty Benefits:

- Shea Butter lipstick has an extremely rich feel.
- Leaves lips feeling soft and moisturized.
- Excellent skin cushion on application.
- Has high content of natural unsaponifiables.

Note: ISP Shea Butter and a balanced combination of other emollients add to the elegance of this product.

Procedure:

1. Prepare Phase C color grind using roller mill (melt Ganex WP-660; add to color mix before milling).
2. Melt Phase A ingredients. Heat to 90-95°C, mix until uniform. Cool batch to 82-85°C.
3. Add Phase B; mix until uniform.
4. Add Phase C color grind; mix approximately 30 minutes.
5. Add Phase D, avoid aerating batch; mix until uniform.
6. Pour samples at 82-85°C.

Appearance: Ruby red frosted lipstick.

Ingredients	%W/W	Supplier
<i>Phase A</i>		
Ozokerite (White Ozokerite Wax 170)	10.50	Frank B. Ross
Polyethylene (Performalene Polymer)	5.00	New Phase
Octyldodecyl Stearate (Ceraphyl® ODS)	13.00	ISP
Diisopropyl Adipate (Ceraphyl® 230)	2.00	ISP
Isocetyl Stearoyl Stearate (Ceraphyl® 791)	14.70	ISP
Butyrospermum Parkii (Shea Butter) (Refined Shea Butter)	4.00	ISP
C ₁₂₋₁₅ Alkyl Lactate (Ceraphyl® 41)	11.00	ISP
Hydrogenated Polyisobutene (Panalane L-14E)	5.00	Lipo
VP/Eicosene Copolymer (Ganex® V-220)	5.00	ISP
VP/Hexadecene Copolymer (Ganex® V-216)	5.00	ISP
Tocopheryl Acetate (Vitamin E Acetate)	0.20	Tri-K
Retinyl Palmitate (Vitamin A Palmitate)	0.10	Roche
<i>Phase B</i>		
Isopropylparaben (and) Isobutylparaben (and) Butylparaben (Liquapar® Oil)	0.40	ISP
<i>Phase C</i>		
Isocetyl Stearoyl Stearate (Ceraphyl® 791)	3.07	ISP
Tricontanyl PVP (Ganex® WP-660)	0.06	ISP
Red 7 Lake (C6507 D&C Red #7 Ca Lk)	2.25	Warner Jenkinson
Iron Oxides (C33-5198 Black Iron Oxide)	0.60	Sun Chemical
Blue 1 Lake (FD&C Blue #1 Aluminum Lake)	0.12	Sun Chemical
<i>Phase D</i>		
Mica (Mica UF)	5.00	Engelhard
Bismuth Oxochloride (Pearl-Glo UVR)	3.00	Engelhard
Mica (and) Iron Oxides (Cloisonne Super Rouge)	10.00	Engelhard
<i>Total:</i>	100.00%	

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Body Butter

#11089-59-1

Description: This conditioning Body Butter is an elegant anhydrous product that melts when applied to the skin, leaving skin silky and smooth.

Beauty Benefits:

- Moisturizes and softens skin beautifully.
- Quenches and nourishes dry skin.
- Leaves the skin feeling silky smooth.

Note: This product also contains ProLipid® 141, a patented lamellar gel structurant. ProLipid® 141 provides long-term moisturization and product structure. The combination of Refined Shea Butter and ProLipid® 141 with all the other emollients in this formula makes this product an exceptional alternative to combat against dry skin.

Procedure:

1. Combine all ingredients in Phase A and heat to 80-85°C until clear with stirring.
2. Cool to 55°C and add Phase B in the order listed. Mix well between additions.
3. Pour at 50°C in a proper container.

Appearance: Off-white, waxy semi solid.

Ingredients	%W/W	Supplier
<i>Phase A</i>		
Ozokerite (Ozokerite Wax 1020P)	3.50	Strahl&Pitsch
Cetyl Esters (Spermaceti Wax Substitute #573)	3.50	Frank B. Ross
Beeswax (Refined Yellow Beeswax)	3.50	Frank B. Ross
Petrolatum (Penreco Snow)	16.50	Penreco
Glyceryl Dilaurate (Emulsynt™ GDL)	15.00	ISP
Glyceryl Stearate (and) Behenyl Alcohol (and) Palmitic Acid (and) Stearic Acid (and) Lecithin (and) Lauryl Alcohol (and) Myristyl Alcohol (and) Cetyl Alcohol (ProLipid® 141)	4.00	ISP
Butyrospermum Parkii (Shea Butter) (Refined Shea Butter)	15.00	ISP
Ethylhexyl Palmitate (Ceraphyl® 368)	8.00	ISP
Myristyl Myristate (and) Myristyl Laurate (Ceraphyl® 424)	10.00	ISP
Isodecyl Neopentanoate (Ceraphyl® SLK)	20.00	ISP
<i>Phase B</i>		
Isopropylparaben (and) Isobutylparaben (and) Butylparaben (Liquapar® Oil)	0.60	ISP
Tocopheryl Acetate (Vitamin E Acetate)	0.10	Roche
Fragrance (Chamomile Green Tea)	0.30	Shaw Mudge
<i>Total:</i>	100.00%	

ISP BeautyButters™

Body Moisturizer Treatment

#11095-72-1

Description: Our Body Moisturizer Treatment replenishes dry and sensitive skin by providing moisturization while leaving an elegant and velvety after-feel. This product is enriched with Refined Shea Butter, along with ProLipid® 141 that delivers excellent softening and moisturization benefits to the skin.

Beauty Benefits:

- Provides excellent emolliency.
- Nourishes and moisturizes the skin.
- Gives body to the final formula.
- Smooths dry cracked skin.

Procedure:

1. Sprinkle Stabileze QM into water with stirring at RT. Heat to 75°C and stir for 45 minutes.
2. Add remaining ingredients of Phase A in order listed and mix well. Maintain Phase A at 75°C.
3. Combine Phase B and heat to 80°C.
4. Add Phase B to Phase A with homogenization.
5. When batch appears uniform, turn off heat. Switch to sweep agitation.
6. At 35°C add Phase C ingredients. Make up for water loss.

Appearance: Shiny, white rich lotion.

pH: 6.09

Viscosity: 27,200 cps (Brookfield Model RVT, TB @ 5 RPM)

Ingredients	%W/W	Supplier
<i>Phase A</i>		
Deionized Water	76.45	
PVM/MA Decadiene Crosspolymer (Stabileze® QM)	0.30	ISP
Glycerin	2.00	
Disodium EDTA	0.10	
Triethanolamine, 99%	0.30	Dow
<i>Phase B</i>		
Butyrospermum Parkii (Shea Butter) (Refined Shea Butter)	7.00	ISP
Isodecyl Neopentanoate (Ceraphyl® SLK)	5.00	ISP
Isocetyl Stearate (Ceraphyl® 494)	3.00	ISP
Glyceryl Stearate (and) Behenyl Alcohol (and) Palmitic Acid (and) Stearic Acid (and) Lecithin (and) Lauryl Alcohol (and) Myristyl Alcohol (and) Cetyl Alcohol (ProLipid® 141)	5.00	ISP
<i>Phase C</i>		
Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate (Liquid Germall® Plus)	0.75	ISP
Fragrance (Chamomile Green Tea Code 71112M)	0.10	Shaw Mudge
Total:	100.00%	

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Smoothing Shine Styling Balm

#11185-99

Description: An elegant shear-thinning styling lotion for control and shine. Advantage® S has demonstrated shine on hair via image analysis. In addition, Advantage® S provides durable humidity resistant hold. ISP Captivates™ HC0001 and HC0006 break with shear from styling or melt with heat from flat ironing/curling iron, releasing conditioning and shine ingredients.

Beauty Benefits:

- Enhances conditioning of dry damaged hair.
- Provides shine.
- Leaves hair feeling silky smooth.

Procedure:

1. Add water to the vessel, start fast propeller agitation.
2. Add the Liquid Germall® Plus, and Propylene Glycol, mixing thoroughly until uniform.
3. Add the Advantage® S into the vortex, mixing until uniform.
4. Switch to sweep. Add the ISP Captivates™ HC0001 and HC0006 to the batch.
5. Using brisk agitation, add the Si-Tec™ PTM 1000, mixing until uniform.
6. Add the Rapithix® A-60. Mix for 15-minutes until batch is uniform.

Appearance: Shiny, soft white crème with blue and orange beads.

pH: 6.0 +/- 0.2

Viscosity: 90,000 cP (Brookfield DV II Plus, RVT, Spindle T-C, 5-rpm)

Ingredients	%W/W	Supplier
Water	88.84	
Propylene Glycol (and) Diazolidinyl Urea (and) Iodopropynyl Butylcarbamate (Liquid Germall® Plus)	0.50	ISP
Propylene Glycol	1.00	
Vinylcaprolactam/VP/Dimethylamino ethyl Methacrylate Copolymer (Advantage® S)	2.00	ISP
Butyrospermum Parkii (Shea Butter) (Refined Shea Butter) (and) Ultramarine Blue (and) Gelatin (and) Acacia Senegal Gum (and) Titanium Dioxide (ISP Captivates™ HC0001)*	0.25	ISP
Butyrospermum Parkii (Shea Butter) (Refined Shea Butter) (and) Gelatin (and) Acacia Senegal Gum (and) Polyester 3 (and) Orange 5 (ISP Captivates™ HC0006)*	0.25	ISP
Phenyl Trimethicone (Si-Tec™ PTM 1000)	5.00	ISP
Sodium Polyacrylate (and) Hydrogenated Polydecene (and) Trideceth-6 (Rapithix® A-60)	2.16	ISP
Total:	100.00%	

This formula has passed a 28-day double challenge efficacy test. However, the preservative system has not been optimized to its lowest effective level.

* ISP Captivates™ HC0001 and HC0006 are made with Refined Shea Butter.

ISP BeautyButters™

Prestige Hair Pressing Crème

#11185-72

Description: Prestige Hair Pressing Crème is a heavy emollient base containing Styleze® W-20 and Ganex® V-220 demonstrating superior straightening and preventing style reversion. ISP Captivates™ HC0001 melts with heat from flat ironing, releasing conditioning and shine ingredients.

Beauty Benefits:

- Nourishes and conditions hair.
- Protects hair from thermal damage.
- Imparts shine and emolliency.

Procedure:

1. Heat all ingredients, except beads, to 80°C.
2. Mix until completely uniform.
3. Allow batch to cool, adding ISP Captivates™ HC0001 as set point initiates.
4. Allow batch to mix slowly until beads are uniformly dispersed.
5. Fill containers when batch is uniform.

Appearance: Pasty-white crème with blue beads.

Styling Polymer Solids: 1.0%.

Ingredients	%W/W	Supplier
Petrolatum (Penreco Snow White Protopet)	74.50	Penreco
Lanolin	5.00	Rita
Steareth-2 (Brig 72)	4.00	Uniqema
Polyquaternium-55 (Styleze® W-20)	5.00	ISP
Mineral Oil (Drakeol 5)	4.00	Penreco
Paraffin (Fully Refined Paraffin Wax 165-B)	5.00	Frank B. Ross
VP/Eicosene Copolymer (Ganex® V-220)	0.50	ISP
Cetyl PEG/PPG-15/15 Butyl Ether Dimethicone (Si-Tec™ DMC 3071)	0.50	ISP
Coconut Oil	0.50	Arista
Phenoxyethanol (and) Methylparaben (and) Isopropylparaben (and) Isobutylparaben (and) Butylparaben (Liquipar® Optima)	0.50	ISP
Butyrospermum Parkii (Shea Butter) (Refined Shea Butter) (and) Ultramarine Blue (and) Gelatin (and) Acacia Senegal Gum (and) Titanium Dioxide (ISP Captivates HC0001)*	0.50	ISP
Total:	100.00%	

This formula has passed a 28-day double challenge efficacy test. However, the preservative system has not been optimized to its lowest effective level.

* ISP Captivates™ HC0001 is made with Refined Shea Butter.

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Formulation Guidelines

ISP Refined Shea Butter is very easy to formulate. It should be added directly to the oil phase of the formula.

Refined Shea Butter improves rheology and imparts body to formulations.

Recommended Use Level: 1.0% - 25%

Safety & Regulatory

ISP Refined Shea Butter is approved for use globally and has been tested and is safe to use in a variety of personal care applications.

Shea Butter is registered with CTFA, JCIC and GRAS.

CAS#: 68920-03-6 and 194043-92-0

EINECS#: 272-911-3





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