

# IntegriBUTTER's Uses, Applications & Major Benefits



Integrity Ingredients Corporation

"Where **QUALITY** and **SERVICE** Meet"

# IntegriBUTTER's

## Table of Contents

Page 1	IntegriBUTTER Almond "Soft", IntegriBUTTER Apricot "Soft"
Page 2	IntegriBUTTER Avocado, IntegriBUTTER Avocado "Soft"
Page 3	IntegriBUTTER Cocoa, IntegriBUTTER Cupuaçu
Page 4	IntegriBUTTER Dhupa, IntegriBUTTER Grapeseed "Soft"
Page 5	IntegriBUTTER Hemp "Soft", IntegriBUTTER Kokum
Page 6	IntegriBUTTER Macadamia "Soft", IntegriBUTTER Mango
Page 7	IntegriBUTTER Mowrah, IntegriBUTTER Olive "Soft"
Page 8	IntegriBUTTER Phulwara, IntegriBUTTER Sal

### Introduction

Consumer insistence for more natural products, plus their efficacy in rinse-off applications has resulted in a rise in demand for exotic butters. As a result of this demand, Integrity Ingredients Corporation has been able to source an expansive range of butters from around the world.

These butters are particularly suitable for the personal care market and can be used as a replacement where Formulators are looking for something a little bit different. Many of these butters have excellent saponification values, which are ideal for soaps.

Soon we will be added to this is a new range of waxes for both personal care and color cosmetics again offering something new for formulators.



### IntegriBUTTER Almond “Soft”

**INCI Name:** Prunus Amygdalus Dulcis (Sweet Almond) Oil  
(and) Hydrogenated vegetable oil

**IntegriBUTTER Almond “Soft”** is derived from sweet almonds (Pyunus Amygdalus Dulcis), specifically from the Mediterranean area, and is obtained by the cold pressing of selected fruits followed by a full refining process.

#### **Attributes:**

The natural oil contains essential fatty acids, but also contains unsaponifiables. In cosmetic formulations the behaviour of **IntegriBUTTER Almond “Soft”** is somewhat similar to that of shea butter. A very soft butter **with great spreadability** making it ideal for massage butters. It adds **moisturizing attributes** to creams, lotions and bar soaps.

#### **Applications:**

May be used in cosmetics, toiletries, soaps, massage oils & balms, hair care and sun care preparations.

#### **Suggested Use Levels:**

Lotions and creams: 2 – 20%

Bar Soaps: 3 – 12.5%

Hair Conditioners: 1 - 5%

Body and Lip Balms: 3 – 100%



### IntegriBUTTER Apricot “Soft”

**INCI Name:** Prunus Armeniaca (Apricot) Kernel Oil  
(and) Hydrogenated Vegetable Oil

**IntegriBUTTER Apricot “Soft”** is derived directly from Apricot Kernel Oil. It is a 100% vegetable origin raw material with no preservatives. The butter consists of 75-80% apricot kernel oil and 25-20% of hydrogenated vegetable oil.

#### **Attributes:**

**IntegriBUTTER Apricot “Soft”** provides the improved stability of butter while retaining the interesting skin care properties of Apricot Kernel Oil. Apricot Kernel Oil is Rich in Essential Fatty Acids. Apricot Kernel Oil has been used for centuries as a skin softening agent. This oil has high levels of oleic acid (58-74%) and linoleic acid (20-34%) and is similar in weight to human sebum. Some of these essential fatty acids are involved in rebuilding the epidermis and regulating hydration.

#### **Applications:**

Emollient /moisturizer; enhances spreadability of finished products, **penetrates easily** into the epidermis, **restores flexibility** of the skin, helps to stabilize emulsions and to adjust viscosity. Apricot Kernel Oil has **moisturizing, nourishing** and **revitalizing** properties.

#### **Suggested Use Levels:**

Lotions and creams: 2 – 20%

Bar Soaps: 3 – 12.5%

Hair Conditioners: 1 - 5%

Body and Lip Balms: 3 – 100%



### IntegriBUTTER Avocado

INCI Name: Persea Gratissima

In contrast to most other vegetable oils **IntegriBUTTER Avocado** is obtained not from the stone but from fresh fruit flesh of the fruit of the tree *Persea gratissima*.

#### **Attributes:**

In the cosmetic and toiletry field the oil is important for its **emollient nature**, its very **rapid absorption into the skin** and its ability to act as a **natural sunscreen**.

#### **Applications:**

The uses for **IntegriBUTTER Avocado** include cleansing creams, moisturizers, skin care, hair conditioners, lipsticks, suntan lotions, bath oils and makeup bases

#### **Suggested Use Levels:**

Lotions and creams: 2 – 20%

Bar Soaps: 3 – 12.5%

Hair Conditioners: 2 - 5%

Body and Lip Balms: 3 – 100%



### IntegriBUTTER Avocado “Soft”

INCI Name: Persea Gratissima (Avocado) Oil  
(and) Hydrogenated Vegetable Oil

**IntegriBUTTER Avocado “Soft”** is produced from the flesh of the avocado fruit through a unique hydrogenation process which yields a soft, greenish butter.

#### **Attributes:**

This is a very soft and rich butter which has some natural sunscreen properties. It can be used in soap and skin care formulations at 5 – 20%. In lotion bars a smaller amount should be used, as this butter can be a little heavy and greasy.

#### **Applications:**

Ideal for balms, creams, hair care and soap. **IntegriBUTTER Avocado “Soft”** has little odor and is very creamy and makes an excellent body butter. May be used in all types of soap and toiletries to improved **moisturization** and **soften rough, dry skin**.

#### **Suggested Use Levels:**

Lotions and creams: 2 – 20%

Bar Soaps: 3 – 12.5%

Hair Conditioners: 2 - 5%

Body and Lip Balms: 3 – 100%



### IntegriBUTTER Cocoa

INCI Name: Theobroma Cacao (Cocoa) Seed Butter

**IntegriBUTTER Cocoa** is obtained from the fruit of the Cacao tree (*Theobroma Cacao*) which grows in tropical regions throughout the world. The butter is extracted from the seed kernels and is further refined to yield a tan colored butter with pleasant cocoa (chocolate-like) odor. A relatively hard butter with steep melting curve ideal for body care products. **IntegriBUTTER Cocoa** is the solid fat expressed from the roasted seed of the cocoa beans.

#### **Attributes:**

It is highly protective and acts as a water repellent. It contains about 5 IU of vitamin E per ounce.

**IntegriBUTTER Cocoa contains natural antioxidants, provides a barrier on skin to help retain and restore moisture and improves skin elasticity.**

#### **Applications:**

It may be used in a variety of cosmetic, toiletry and pharmaceutical applications to reduce cutaneous dryness and improve skin flexibility.

#### **Suggested Use Levels:**

Lotions and creams: 3 - 5%

Bar Soaps: 3 – 6%

Hair Conditioners: 2 - 5%

Body and Lip Balms: 5 – 100%



### IntegriBUTTER Cupuaçu

INCI Name: Theobroma Grandiflorum Seed Butter

**IntegriBUTTER Cupuaçu** has been obtained from the fruit seed of the Cupuaçu tree (*Theobroma Grandiflorum*) found growing wild in the eastern subregion of the Brazilian Amazonia. The fruit of Cupuaçu is used to produce juices and sorbets in its native South America.

#### **Attributes:**

The seeds contain approximately 48% of a sweet-smelling “butter” which is stable and highly suitable for use in cosmetics and toiletries.

#### **Applications:**

**IntegriBUTTER Cupuaçu** has a high capacity for water absorption and is therefore an excellent emollient for cosmetic formulations. **Prevents drying of the skin** and development of wrinkles, **reduces degeneration of skin cells** and **restores flexibility, moisture retention and elasticity** to the skin.

#### **Suggested Use Levels:**

Lotions and creams: 3 - 5%

Bar Soaps: 3 – 6%

Hair Conditioners: 2 - 5%

Body and Lip Balms: 5 – 100%



### IntegriBUTTER Dhupa

INCI Name: Vateria Indica

**IntegriBUTTER Dhupa** also known as Malabar tallow is obtained from the dried kernels of fruit of *Vateria indica*, a large majestic tree growing in India. The oil content of the dried kernels ranges from 16 to 20 per cent, a level similar to Sal or Soybean. The most suitable way to get **IntegriBUTTER Dhupa** is by mechanical pressing. The crude greenish-yellow fat can be refined by classical methods, and is easily bleached to pure white color by conventional methods.

#### **Attributes:**

**IntegriBUTTER Dhupa** is characterized by its high content of stearic acid giving it physical properties comparable to cocoa butter. It combines good emolliency properties with superior oxidative stability, making it a very suitable replacement for many synthetic emolliency enhancers.

#### **Applications:**

It has a **good softening effect** and **spreadability on the skin**. It is **protective against sunlight** and the butter has traditionally been used for soap-making in India.

#### **Suggested Use Levels:**

Lotions and creams: 3 - 5%

Bar Soaps: 3 – 6%

Hair Conditioners: 2 - 5%

Body and Lip Balms: 5 – 100%



### IntegriBUTTER Grapeseed "Soft"

INCI Name: Vitis vinifera (Grapeseed) Oil  
(and) Hydrogenated Vegetable Oil

**IntegriBUTTER Grapeseed "Soft"** is made through the hydrogenation process using 100% natural and pure grapeseed oil, this butter is as rich in vitamins and minerals as the oil

#### **Attributes:**

**IntegriBUTTER Grapeseed "Soft"** has regenerative and restructuring qualities which allow a better control of skin moisturization It has good spread-ability on the skin.

#### **Applications:**

It ideal as a massage butter or body balm, and it can be added to soap, creams, lotions, lip balms, body butters, hair pomades.

#### **Suggested Use Levels:**

Lotions and creams: 3 - 5%

Bar Soaps: 3 – 6%

Hair Conditioners: 2 - 5%

Body and Lip Balms: 5 – 100%



### IntegriBUTTER Hemp “Soft”

**INCI Name:** Canabis sativa (Hemp) Oil  
(and) Hydrogenated Vegetable Oil

**IntegriBUTTER Hemp “Soft”** is a mixture of the natural waxes found in hemp seed oil. It is produced using the fatty fractions and unsaponifiables (natural waxes/paraffins) which are collected during the refining process which are then blended with hydrogenated vegetable (hemp seed) oil to produce a butter-like material suitable for use in cosmetics and toiletries.

#### **Attributes:**

Hemp Seed Oil is valued for use in cosmetics and toiletries due to its high content of Essential Fatty Acids. It is smooth and when applied **IntegriBUTTER Hemp “Soft” exhibits a relatively dry feel**, yet **provides excellent lubricity** without being greasy.”

#### **Applications:**

It can be used in lip balms, hand and foot creams, lotions, soaps and body butters.

#### **Suggested Use Levels:**

Lotions and creams: 2 – 20%

Bar Soaps: 2 – 12.5%

Hair Conditioners: 1 - 3%

Body and Lip Balms: 5 – 100%



### IntegriBUTTER Kokum

**INCI Name:** Garcinia Indica Seed Butter

**IntegriBUTTER Kokum** is obtained from the fruit of the Garcinia indica tree grown in India. It has a triglyceride composition that is uniform and consists of up to 80% stearic-oleic-stearic (SOS) triglycerides. It is a solid, stable hard butter, which melts on contact with the skin.

#### **Attributes:**

**IntegriBUTTER Kokum** has excellent emollient properties. It is said to **prevent skin dryness** and **reduces the development of wrinkles**. It reduces **regeneration of skin cells** and **restores flexibility** to the skin.

#### **Applications:**

**IntegriBUTTER Kokum** has a high oxidative stability which assists in emulsion integrity. It is also a great addition to bar soaps and skin lotions. It is ideal for lipsticks and balms

#### **Suggested Use Levels:**

Lotions and creams: 1 – 3%

Bar Soaps: 2 - 5%

Hair Conditioners: 1 - 3%

Body and Lip Balms: 5 – 100%



### IntegriBUTTER Macadamia “Soft”

INCI Name: Macadamia ternifolia (Macadamia) Oil  
(and) Hydrogenated Vegetable Oil

**IntegriBUTTER Macadamia “Soft”** contains natural waxes that are removed during cold pressing and is combined with hydrogenated macadamia nut oil. . During the pressing, the natural oil contains essential fatty acids, but also contains unsaponifiables as natural waxes/paraffins, which are collected during the refining and deodorization process and are blended with hydrogenated macadamia seed oil to render a “butter-like” consistency suitable for personal care products.

#### **Attributes:**

**IntegriBUTTER Macadamia “Soft”** offers an **exceptionally good emolliency** and **lubricity**, while at the same time **exhibiting good dermal penetration”**

#### **Applications:**

**IntegriBUTTER Macadamia “Soft”** is great for emollient products like creams and lotions as well as for balms, soaps and hair conditioners.

#### **Suggested Use Levels:**

Lotions and creams: 2 - 20%

Bar Soaps: 3 – 12.5%

Hair Conditioners: 1 - 5%

Body and Lip Balms: 5 – 100%



### IntegriBUTTER Mango

INCI Name: Mangifera Indica Seed Butter

**IntegriBUTTER Mango** is obtained from the seed kernels of the mango fruit grown in the sub-tropics of India and other parts of the globe. It has a high content of stearic acid, which makes it similar to cocoa butter in properties.

#### **Attributes:**

**IntegriBUTTER Mango** exhibits **excellent moisturizing** for lotions and **good lubricity** on skin. It has **good emolliency** and lends a **protective effect** against the sun. It is said to prevent drying of skin and formation of wrinkles. It **reduces degeneration of skin cells** and **restores flexibility**. It also **counters the drying effects** of bar soaps and cleansers.

#### **Applications:**

**IntegriBUTTER Mango** is suitable for soaps, cosmetics and toiletries, It melts at skin temperature making it ideal for sticks, balms and lotions.

#### **Suggested Use Levels:**

Lotions and creams: 3 - 5%

Bar Soaps: 3 – 6%

Hair Conditioners: 2 - 5%

Body and Lip Balms: 5 – 100%



### IntegriBUTTER Mowrah

INCI Name: Bassia Latifolia Seed Butter

**IntegriBUTTER Mowrah**, also called Mahua Butter, is obtained from the seed kernels of the Indian trees (*Madhuca latifolia* and *Madhuca longifolia*). From its seed kernels the butter is extracted and further processed and refined to obtain a yellow/white butter, which has a mild, pleasant odor suitable for use in cosmetics and toiletries.

#### **Attributes:**

**IntegriBUTTER Mowrah** is solid at room temperature but melts in contact with the skin. The fat is of significant commercial importance and is used for both edible and cosmetic purposes. It **prevents drying of skin** and development of wrinkles, **reduces degeneration of skin cells** and **restores flexibility** of the skin.

#### **Applications:**

It can be used in washing soaps and general lubricants, skin care creams and lotions, balms make-up foundations and bar soaps. Other minor uses relate to general lubricants, ointment base, and lubricants for wool.

#### **Suggested Use Levels:**

Lotions and creams: 3 - 8%

Bar Soaps: 3 – 5%

Hair Conditioners: 1 - 5%

Body and Lip Balms: 5 – 100%



### IntegriBUTTER Olive “Soft”

INCI Name: Olea Europea (Olive) Oil  
(and) Hydrogenated Vegetable Oil

**IntegriBUTTER Olive “Soft”** is derived from olive oil by cold pressing of fruits followed by a full refining process. The natural oil contains essential fatty acids but also contains unsaponifiables as natural waxes/paraffins which are collected during the refining and deodorization process and from the squalane production process. In cosmetic preparations the feel and behaviour of **IntegriBUTTER Olive “Soft”** is very similar to that of shea butter with slightly higher melting characteristics.

#### **Attributes:**

**IntegriBUTTER Olive “Soft”** exhibits **excellent spreadability** and **moisturizing** properties

#### **Applications:**

**IntegriBUTTER Olive “Soft”** exhibits excellent spreadability on the skin making it ideal as a massage butter or carrier for treatment products. It adds moisturizing attributes to creams, lotions and bar soaps. It can be used in cosmetics, toiletries, soaps, massage oils & balms, hair care and sun care preparations

#### **Suggested Use Levels:**

Lotions and creams: 2 – 20%

Bar Soaps: 3 – 12.5%

Hair Conditioners: 1 - 4%

Body and Lip Balms: 3 – 100%



### IntegriBUTTER Phulwara

INCI Name: Madhuca Butyraceae

**IntegriBUTTER Phulwara** is obtained from the seeds of the Madhuca butyraceae tree. The tree is very common throughout Nepal, Bhutan, Sikkim and north Bengal. Most of the production of butter is confined to small scale activity. The butter is nearly white in color and has a pleasant taste and odor. If the butter is carefully refined, bleached and deodorized a product is obtained which meets the stringent requirements for cosmetic applications

#### **Attributes:**

**IntegriBUTTER Phulwara** is characterized by its high content of palmitic acid (up to 65%). It contains high contents of C16:0 and C18:1 fatty acids. **IntegriBUTTER Phulwara** is a soft solid at room temperature and is similar to Mango Butter in consistency and may be used as an alternative to the latter. It has **good emolliency** properties for chapped skin making it a very suitable replacement for many synthetic emolliency enhancers. It has a **good softening effect** and a **good spreadability** on the skin. It has a **protective effect** against the sunlight.

#### **Applications:**

**IntegriBUTTER Phulwara** gives stable emulsions due to the uniform triglyceride composition with a high oxidative stability. It may be used as an ingredient in skin care products, massage creams, make-up, soap and sun care products.

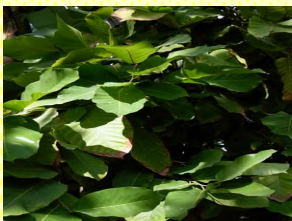
#### **Suggested Use Levels:**

Lotions and creams: 2 – 10%

Bar Soaps: 3 – 6%

Hair Conditioners: 1 - 4%

Body and Lip Balms: 3 – 100%



### IntegriBUTTER Sal

INCI Name: Shorea Robusta

**IntegriBUTTER Sal** (also known as Shorea Butter) is obtained from the fruit kernels of the Sal tree, Shorea Robusta by physical extraction. Subsequently the butter is carefully refined, bleached and deodorized to obtain a product which meets the stringent requirements for cosmetic applications. It contains mostly C18:0 and C18:1 fatty acids. Sal Butter is solid at room temperature.

#### **Attributes:**

**IntegriBUTTER Sal** is characterized by its high content of stearic acid giving it physical properties comparable with cocoa butter. It gives stable emulsions due to the uniform triglyceride composition with a high oxidative stability. It has **good emolliency** properties making it a very suitable replacement for many synthetic emolliency enhancers. It has a **good softening effect** and a **good spreadability** on the skin. It has a **protective effect** against sunlight.

#### **Applications:**

It is used as an ingredient in skin care, massage creams, make-up and sun care products.

#### **Suggested Use Levels:**

Lotions and creams: 3 - 10%

Bar Soaps: 3 – 6%

Hair Conditioners: 1 - 4%

Body and Lip Balms: 5 – 100%



## Technical Support

Our In-house technical and applications lab is always available to address the growing needs of our customers. Whether you have a raw material technical question or need formulating assistance we're ready to help.

Our team at **Integrity Ingredients Corporation** recognizes that you have many choices when formulating or purchasing your raw materials and we want to thank you for your interest in our products and services.

Give us a call or visit our webpage for a few starting skin, body & hair care formulations you can try for yourself in your own lab.

[www.integrityingredientscorp.com](http://www.integrityingredientscorp.com)

**Integrity Ingredients Corporation**  
**Hair Care Formulary**  
 CONFIDENTIAL FINISHED PRODUCT FORMULATION  
 Luxurious Sulfate-Free Moisturizing Shampoo Formula # 140709.1  
 with Honey & Shea Butter

INGREDIENT	%	SUPPLIER
<b>PART A</b>		
Deionized water	35.32	
Elestab CPN	0.30	LS/Integrity Ingredients Corp.
Potassium Sorbate	0.25	
Disodium EDTA	0.03	
IntegriVITAMIN DL-Panthenol	0.25	Integrity Ingredients Corp.
<b>PART B</b>		
Plantapón SF	40.00	Cognis
Lamisoft PO 65	1.00	Cognis
Citric Acid (50% Soln.)	3.50	
<b>PART C</b>		
Mackam 2C	12.50	McIntyre
Lipex Shea Betaine	3.00	AAK/Integrity Ingredients Corp.
Lipex Shea O	1.50	Integrity Ingredients Corp.
Honeyflex of Chamomile #774-016-26	0.20	VegeTech / Integrity Ingredients
Honeyflex of Henna Neutral #774-022-28	0.20	VegeTech / Integrity Ingredients
Honeyflex of Rosemary #774-026-20	0.20	VegeTech / Integrity Ingredients
Hydrolyzed Wheat Protein #V-8560-000W	0.25	VegeTech / Integrity Ingredients
Hydrolyzed Soy Protein #V-8550-089W	0.25	VegeTech / Integrity Ingredients
Hydrolyzed Quinoa Protein #V-8760-000W	0.25	VegeTech / Integrity Ingredients
Puricare LS 9658	0.50	LS/Integrity Ingredients
Fragrance Aloe & Waterlily #FN501170	0.50	Ascent Aromatics Inc.

**PROCEDURE:** ADD WATER TO MIXING TANK. ADD REMAINING INGREDIENTS AND MIX WHILE HEATING TO 75-80 °C. CONTINUE MIXING UNTIL BATCH IS CLEAR AND ALL THE INGREDIENTS ARE DISSOLVED. MIX WHILE COOLING TO 35 °C. ADD INGREDIENTS IN PART C IN ORDER SHOWN INSURE THAT EACH INGREDIENT IS COMPLETELY DISSOLVED/DISPERSED AND THE BATCH IS HOMOGENEOUS BEFORE ADDITION OF NEXT INGREDIENT. ADD THE CITRIC ACID IN PART B AS NEEDED TO MEET THE SPECIFICATION. BATCH WILL THICKEN AND CLEAR. ADD REMAINING INGREDIENTS IN PART C AND MIX COMPLETELY.

pH - 4.8 - 5.0  
 Viscosity - 2,500 - 4,500 cps (LVT: Spindle 2 / Speed 3)

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**Integrity Ingredients Corporation**  
 CONFIDENTIAL FINISHED PRODUCT FORMULATION  
 Body Care Formulary

INGREDIENT	%	SUPPLIER
<b>CITRUS LAVENDER SHEA LOTION</b>		
<b>PART A</b>		
Deionized Water	66.92	
Elestab CPN	0.30	Laboratoires Serobiologiques
Disodium EDTA	0.03	
Potassium Sorbate	0.25	
<b>PART B</b>		
Syniorage LS 9748	2.00	Laboratoires Serobiologiques
Formulux of Orange Peel Extract V77-0280	1.00	VegeTech
Formulux of Lavender Extract V77-0282	1.00	VegeTech
<b>PART C</b>		
Lipex 205	25.00	AAK
IntegriGEL O/W HP	2.25	Integrity Ingredients Corporation
Polysorbate 20	0.75	
IntegriSENTIAL Lavender Oil	0.40	Integrity Ingredients Corporation
IntegriSENTIAL Lavender Oil	0.10	Integrity Ingredients Corporation

**PROCEDURE:** Add water to mixing tank. Add Part A ingredients and mix while heating to 75-80 degrees C. Mix until the ingredients are completely dissolved. Cool while mixing to 35 degrees C. Add Part B ingredients to batch in order shown and mix completely insuring that each one is completely dispersed/dissolved before the addition of the next. Pre-blend Part C ingredients and mix completely. Add Part C to batch while mixing. The batch will thicken. Mix until the batch is completely smooth and homogenous.

pH: 6.0-6.5  
 Viscosity: 50,000-100,000+ cps (Brookfield LVT Spindle 4/Speed 3).

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**Integrity Ingredients Corporation**  
 CONFIDENTIAL FINISHED PRODUCT FORMULATION  
 Skin Care Formulary

INGREDIENT	%	SUPPLIER
<b>COLD PROCESS LOW COST LOTION</b>		
<b>PART A</b>		
Deionized Water	85.25	
IntegriGUARD AP	0.70	Integrity Ingredients Corporation
<b>PART B</b>		
IntegriLIPID Safflower Oil, High Oleic	12.00	Integrity Ingredients Corporation
IntegriGEL O/W HP	1.00	Integrity Ingredients Corporation
Fragrance	0.25	
Polysorbate 20	0.50	
IntegriGUARD AP	0.30	Integrity Ingredients Corporation

**Procedure:**  
 Add the PART A ingredients into mixing tank and mix completely.  
 Add the PART B ingredients into a separate mixing tank and mix completely insuring that each one is completely dispersed/dissolved before the addition of the next.  
 Add PART B to PART A while mixing. The batch will thicken.  
 Mix until the batch is completely smooth and homogenous.

pH: 6.0-6.5  
 Viscosity: 100,000+ cps (Brookfield LVT Spindle 4/Speed 3).

**Attributes:**  
 This cost effective and easy to produce body lotion is luxurious and moisturizing. It combines the emolliency of Safflower Oil, High Oleic with the extremely efficient and cost-effective emulsifying/thickening attributes of IntegriGEL O/W HP.

This formula allows you to streamline your production facility for the ultimate in cost effectiveness.

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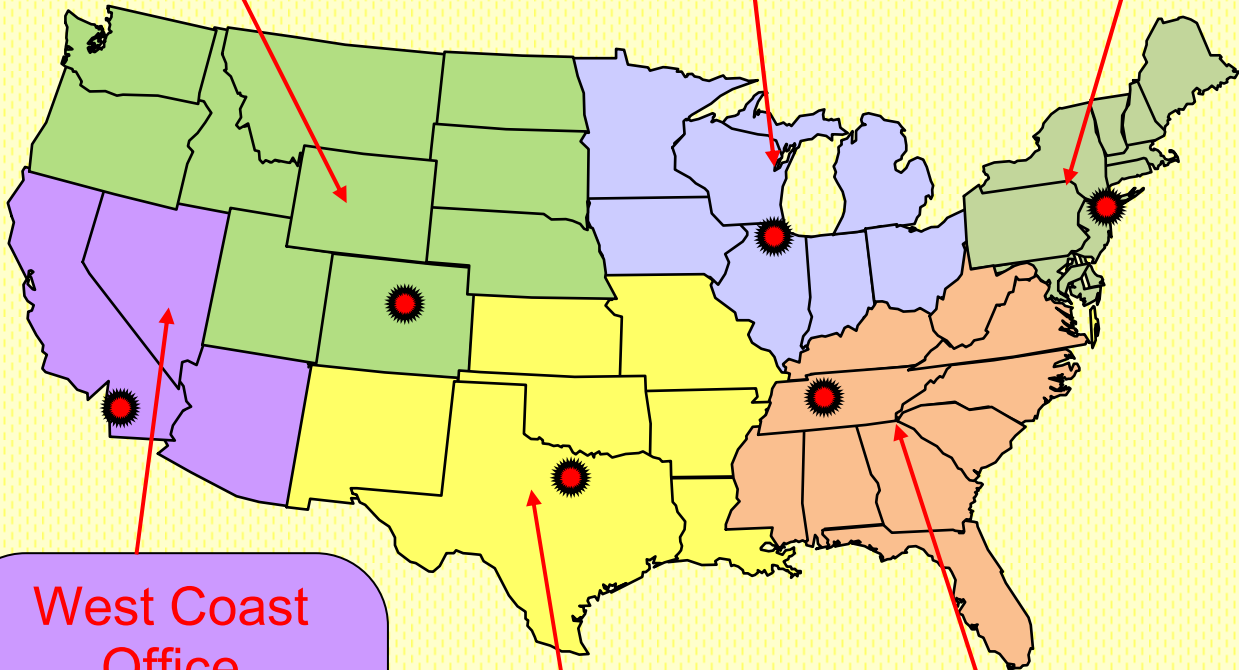
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Coming Soon.....



## West Coast Office

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