

RITA CORPORATION

Natural Oils



RITA
CORP

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GENERAL PRODUCT LISTING



Methyl Glucose Esters



Acritamers - Carbomers



Emollients



Natural Butters



Emulsifiers



Ritamulse SCG - natural emulsifier



Glycol and Glycerol Esters



Cationic Compounds, Conditioning
and Styling Aids



Ritafactants with Lactylate - sulfate
free surfactants



Ritafactants - sugar and amino
acids based surfactants



Ritafactants - Anhydrous surfactant
blends



Ritapan - Panthenol



Natural Oils



Natural Butters



Lanolin and Lanolin Derivatives



Borage Oil

Borage is an annual herb with its origin in Syria, but naturalized throughout the Mediterranean region, Europe, and North Africa. In the Middle Ages borage leaves were commonly brewed into a medicinal tea.

Borage Oil is an oil extracted from the seeds of *Borago officinalis* by cold pressing.

Borage Oil offers ease of spreading and significant moisture retention combined with high nourishing properties. It is very soothing and helps to reduce redness often experienced with sensitive skin.



Borage Oil contains up to 25% of the essential fatty acid gamma-linolenic acid (GLA.) Researchers have discovered that eczema may be linked to a deficiency of GLA. The body metabolizes GLA into compounds that regulate inflammation and allergic response. **Borage Oil** is used on problem skin, especially with acne, pimples, and blemishes. It can also help to reduce redness associated with rosacea. The tannins contained in the oil have a slight tightening effect on the skin.

One of the most powerful demonstrations of the benefits to the skin of topically applied **Borage Oil** is from a clinical study done to 48 infants suffering from severe infantile seborrheic dermatitis (dry scales and crusts.) The infants were treated topically with **Borage Oil** and the condition cleared within two weeks.

Tolleson, A., and Frithz, A 1993. Borage oil: an effective new treatment for infantile seborrheic dermatitis. Brit. J. Dermatol. 129:95.

CLAIMS

- Moisturizer
- Skin Soothing Agent
- Tightener
- Conditioner
- Emollient

APPLICATIONS

- Shampoos/Conditioners
- Skin care creams and lotions
- Massage Oils
- Baby creams and lotions
- Sun Care products
- Body Wash
- Skin and Scalp Treatments



Rice Bran Oil

Rice Bran Oil originates in countries where rice is commonly grown such as Japan, China, Southeast Asia, and India. It is produced from the outer layer of the rice grain obtained during the milling process. **Rice Bran Oil** has excellent benefits when it's used in personal care products. It has elevated levels of vitamin E that's involved in immune function and blood vessel health. It is also high in unsaturated fat. Other components include tocotrienols, gamma oryzanol, and sterols which have all been studied for their health benefits. Components of **Rice Bran Oil** have antioxidant and anti-inflammatory effects i.e. Gamma Oryzanol. Key antioxidants include tocopherols; tocotrienols, phytosterols, polyphenols and Squalene.

J. Agric. Food Chem. 2010, 58, 18, 10007-10015



Rice Bran Oil has also been shown to support skin health. As a result, this natural oil has been included into many personal care formulations. It is considered hypoallergenic and contains proanthocyanins that protect collagen and elastin. It penetrates the skin easily without heavy, greasy feel.

CLAIMS

- Moisturizer
- Nourishing Agent
- Anti-ageing
- Emollient
- Antioxidant
- Conditioner

APPLICATIONS

- Shampoos/Conditioners
- Skin care creams and lotions
- Sun Care products
- Nail Polish
- Lipsticks

Apricot Kernel Oil

Apricots (*Prunus Armeniaca*) were believed to come from Armenia. But they originated in the Far East, most likely in the Himalayas and Northern China. It is cultivated worldwide due to its tasty and nutritious fruit. **Apricot Kernel Oil** is a natural, refined oil with a fatty acid composition profile that provides excellent emollient properties appreciated for all cosmetic formulations. It exhibits greater stability over time compared to other oils due to its high oleic acid content. It is also rich in Vitamin A and minerals.

- Offers an excellent light texture, ease of spreading, great penetration, and significant moisture retention without leaving an oily feeling. The oil has high nourishing and revitalizing properties suitable for dry, aging skin. Soothes the itchiness caused by eczema.
- May be applied directly to the skin and hair or incorporated as an active ingredient. The recommended dosage is between 3 to 10%.
- Rich in bioactive compounds such as polyphenols, Vitamin A and minerals
- Contains unsaturated fatty acids, such as oleic acid (18:1, omega-9) and linoleic acid (18:2, omega-6)

CLAIMS

Moisturizer
Nourishing agent
Soothing agent
Emollient
Antioxidant
Conditioner

APPLICATIONS

Shampoos/Conditioners
Skin care creams and lotions
Sun Care products
Baby products
Mature skin products
Dry skin treatments
Sensitive skin products

Hussain, S.Z.; Naseer, B.; Qadri, T.; Fatima, T.; Bhat, T.A. Apricots (*Prunus Armeniaca*)—Morphology, Taxonomy, Composition and Health Benefits. In *Fruits Grown in Highland Regions of the Himalayas*; Hussain, S.Z., Naseer, B., Qadri, T., Fatima, T., Bhat, T.A., Eds.; Springer International Publishing: Cham, Switzerland, 2021; pp. 91-102



Argan Oil

Argan Oil is known as “miracle oil” or “liquid gold.” This natural oil is derived from argan nuts, which are typically grown in southwestern Morocco. The oil is extracted when the nut kernels are removed from the shell and then hand-ground into an oil. **Argan Oil** is rich in beneficial ingredients like Linoleic (Omega-6), vitamin E, ferulic acid, fatty acids, and antioxidants. It contains sterols, carotenes and polyphenols. **Argan Oil** also provides excellent skin protection, softening and anti-drying properties.



The ferulic and fatty acid components provide conditioning and protective properties that help the hair shaft from dulling or weighing it down. The high vitamin E content of argan oil promotes healthy hair by reducing oxidative stress and preserves the protective lipid layer of the scalp. The antioxidant properties function as the first line of defense against environmental aggressors such as UV rays and pollution.

In hair care products, Argan Oil provides the following benefits:

- Strengthens hair, restoring elasticity and reducing breakage.
- Increases smoothness and shine by smoothing the hair cuticle and reducing the appearance of split ends.
- Hydrates hair and scalp - delivers major moisture and helps relieve a dry scalp

CLAIMS

Moisturizer
Nourishing agent
Emollient
Antioxidant
Conditioner

APPLICATIONS

Shampoos/Conditioners
Hair styling products
Hair treatments
Hair drying aids
Skin care creams and lotions
Sun Care products

Avocado Oil

Avocado, (*Persea americana*), a medium-sized, evergreen tree of the family Lauraceae. Avocados are native to the Western Hemisphere from Mexico south to the Andean regions and are widely grown in warm climates.

Avocado Oil Refined is expeller pressed and then refined, resulting in a low color level and an odorless vegetable oil. It is rich in vitamins A, B1, B2, D and E, lecithin, pantothenic acid, and essential fatty acids.

Avocado Oil exhibits higher oxidative stability as compared to other plant oils due to its low content of poly-unsaturated fatty acids.

It contains bioactive compounds in the unsaponifiable fraction of the oil, such as tocopherols, polyphenols, and a remarkable proportion of phytosterols.

The phytosterol content has skin-penetrating abilities similar to lanolin; for this reason, avocado oil is highly valuable in the cosmetic industry. Various physical, functional, and pharmaceutical properties of avocado oil—namely, stability, emolliency, high skin penetration, softening and moisturizing, antibacterial, antiwrinkle, and healing—come mostly from its minor components. The high content of lecithin and phytosterols facilitates its spreadability.

CLAIMS

Moisturizer
Nourishing agent
Emollient
Antioxidant
Conditioner

APPLICATIONS

Shampoos/Conditioners
Moisturizers
Skin care creams and lotions
Sun Care products



Brazil Nut Oil

Brazil nut, (*Bertholletia excelsa*), edible seed of a large South American tree (family Lecythidaceae) found in the Amazonian forests of Brazil, Peru, Colombia, and Ecuador.

Brazil nut oil is an excellent emollient, moisturizer, and conditioner in skin and hair care products. It maintains barrier function due to high content of linoleic acid. Skin care products containing **Brazil nut oil** exhibit smooth after feel with good rub in.

Brazil nut oil is a lightweight emollient with a mild nutty aroma. It has a high content of unsaturated fatty acids, minerals and β tocopherol (a form of vitamin E).

Oleic fatty acid (Omega-9) and linoleic fatty acid (Omega-6) are the primary fatty acids found in Brazil nut oil. These fatty acids are best known for their anti-inflammatory, regenerating and moisturizing effect.

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- Softens and hydrates the skin
 - Relieves itchy, dry, ageing skin.
 - Oleic fatty acid (Omega 9) and linoleic fatty acid (Omega 6) are best known for their anti-inflammatory, regenerating and moisturizing effect
 - Prevents trans-epidermal water loss and provides long-lasting hydration
 - Contains Selenium, Calcium, Magnesium and Potassium.
 - Calcium content helps to produce sebum, a natural emollient for the skin
 - Selenium acts as a powerful antioxidant and helps to enhance vitamins A and E's nutritional and protective actions.
 - Magnesium is essential for healthy-looking skin
 - Potassium and sodium aid in the water regulation

CLAIMS

Moisturizer
Nourishing agent
Emollient
Conditioner

APPLICATIONS

Shampoos/Conditioners
Moisturizers
Skin care creams and lotions
Sun Care products



Canola Oil

Canola Oil is a food-grade version of rapeseed oil of the plant family Brassicaceae specifically bred for low erucic acid content. Rapeseed is extensively cultivated in Canada, France, Belgium, Ireland, the United Kingdom, the United States, the Netherlands, Germany, Denmark, and Poland, Slovenia. In France and Denmark, especially, the extraction of the oil is an important industry.



Canola oil exhibits the best fatty acid composition among all agricultural oils. It has the ideal combination of the lowest level of saturated fatty acids, a high content of monounsaturated fatty acids, and an excellent ratio of omega-6 to omega-3 PUFA. In skin and hair care products, it acts as an emollient, moisturizer, antioxidant, and conditioner. Canola Oil has a 2:1 ratio of oleic acid to linoleic acid that is close to the ratio found in healthy skin. Canola oil is also rich in proteins, phenolics, lipids, and vitamins (Vitamin E) and has antioxidant, anti-inflammatory, and anti-wrinkle properties.

CLAIMS

- Moisturizer
- Nourishing agent
- Antioxidant
- Emollient
- Conditioner

APPLICATIONS

- Shampoos/Conditioners
- Moisturizers
- Skin care creams and lotions
- Sun Care products
- Scrubs



Coconut Oil

Coconut Oil is typically found in the islands of Indian Ocean. Currently cultivated in Indonesia, Malaysia, West Indies. Also, found in South America, Africa, and parts of North America.

Coconut oil contains a full spectrum of unsaturated and saturated fatty acids. It provides conditioning and moisturization for skin and hair. Adds luster to damaged hair. **Coconut oil** is a rich source of tocotrienols, molecules belonging to the vitamin E family. The tocotrienols, as well as the tocopherols, possess chain-breaking, peroxy radical scavenging and immunomodulatory activities.

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- Contains approximately 50% of Lauric acid (saturated C12 chain.)
 - Provides emollient properties, great for moisturizing, which make it useful in all cosmetic formulations like lipsticks, makeup, and soap
 - Resists rancidity and makes an extremely hard soap while producing a soft lather.
 - Nourishes, increases strength, and fixates Vitamin D in the body
 - Easily incorporated as an active ingredient or carrier in skin and hair care products. Recommended dosage between 3-10%.
 - Soothes and relieves eczema, psoriasis, and sun burn

Hydrogenated Coconut Oil is also available from RITA Corporation on request.

CLAIMS

Moisturizer
Soothing agent
Nourishing agent
Emollient
Conditioner
Antioxidant

APPLICATIONS

Shampoos/Conditioners
Moisturizers
Skin care creams and lotions
Sun Care products
Soaps
Body Scrubs



Grapeseed Oil

Grape Seed Oil is a Natural Refined Vegetable Oil pressed from the seeds of *Vitis Vinifera*, grown in Spain, Italy and France for wine making. It displays a fatty acid profile that provides excellent emollient, hydrating and film forming properties that are very appreciated in all cosmetic formulations.

Grape Seed Oil offers a high linoleic acid (Omega 6) content with nourishing properties and quick penetration into the skin. It is known to be especially effective in repairing the sensitive skin around the eyes and in reducing the appearance of stretch marks. This oil is suitable for all skin types and will not aggravate acne due to its mild astringent properties.

- 
- Powerful antioxidant that provides protection for cosmetic formulations
 - May be applied directly to the skin and hair
 - Easily incorporated as an active ingredient or an ideal carrier in skin and hair care products.
 - Recommended dosage level is 3-10%.
 - Can also be used directly as massage oil or as a carrier oil for essential oils in aromatherapy.

CLAIMS

Moisturizer
Antioxidant
Nourishing agent
Emollient
Conditioner

APPLICATIONS

Shampoos/Conditioners
Moisturizers
Skin care creams and lotions
Sun Care products



Macadamia Oil

Macadamia Nut Oil is a unique vegetable oil due to its high content in Palmitoleic acid, a monounsaturated fatty acid that avoids oxidation and works well with the skin's fatty acid composition. Palmitoleic acid is found in human sebum among the young, but the level dramatically drops in mature skin.

Macadamia Nut Oil exhibits a long shelf life and good resistance to rancidity due to the low content of polyunsaturated fatty acids. It is an oil with minimal color and is odorless.

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- Applies easily, offers deep penetration and significant moisture retention together with high nourishing properties.
 - Approximately 80% of MACADAMIA NUT OIL is monounsaturated fatty acids.
 - Restores dry, dehydrated, and mature skin.
 - Suitable for all kinds of cosmetic products from rinse-off to leave-on
 - Helpful in cases of sunburn and wound healing
 - May be directly applied to the skin and hair.
 - May also be easily incorporated as an active ingredient or an excellent carrier in skin and hair care products.
 - Can also be used directly as a massage oil and should be kept in a cool place or refrigerated and tightly closed.
 - Recommended dosage is between 3-10%.

CLAIMS

Moisturizer
Antioxidant
Nourishing agent
Emollient
Conditioner

APPLICATIONS

Shampoos/Conditioners
Moisturizers
Skin care creams and lotions
Sun Care products



Olive Oil

Olive Oil is a Natural Vegetable Oil originally from the Mediterranean area. Spain is the world's largest producer, manufacturing almost half of the world's olive oil. Other large producers are Italy, Greece, Tunisia, Turkey and Morocco. It has a specific fatty acid distribution that provides excellent skincare properties such as smoothness and lubricity effects.



Recent studies have shown fibroblast stimulation by the bioactive compounds of Olive Oil. Fibroblasts are crucial in the maintenance of tissue integrity and homeostasis. Olive Oil is mainly composed of triacylglycerols (~98%), fatty acids, mono- and diacylglycerols. The minor compounds of the oil represent 2% of its total weight and include more than 230 compounds, among which are hydrocarbons, sterols, aliphatic alcohols, tocopherols, pigments, volatile compounds, and phenolic compounds. There are over 30 different types of phenolic compounds present in olive oil, with hydroxytyrosol (htyr), tyrosol (tyr), and oleocanthal (ole) being present in the highest concentrations

CLAIMS

- Moisturizer
- Antioxidant
- Nourishing agent
- Emollient
- Conditioner

APPLICATIONS

- Shampoos/Conditioners
- Moisturizers
- Skin care creams and lotions
- Sun Care products

Nutrients. 2023 May; 15(9): 2077



Rosehip Oil

Rosehip Oil is extracted from Rosa Aff. Rubiginosa, a delicate rose which grows wild on the high mountains in Chile, and which is known locally as Rosa Mosqueta.

The unique properties of Rosehip Oil were discovered through scientific studies conducted at the Universities of Concepcion (Chile) and Missouri (USA). These studies showed that application of Rosehip Oil effectively helped in attenuating scars, wrinkles and stretch marks; in preventing premature aging and in regaining natural color and tone.

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- Rich in essential fatty acids, oleic, linoleic, and linolenic, which are needed for the synthesis of prostaglandins, cell membranes and tissue regeneration.
 - Contains natural Tretinoin or Retinoic Acid (Vitamin A derivative), which replenishes and helps rebuild skin tissue.
 - Offers ease of spreading
 - Great penetration
 - Moisture retention
 - Useful in all kinds of cell regeneration face treatments, pore reduction and acne treatments.

CLAIMS

Moisturizer
Antioxidant
Nourishing agent
Emollient
Conditioner
Scar reducer

APPLICATIONS

Shampoos/Conditioners
Moisturizers
Skin care creams and lotions
Sun Care products



Safflower Oil

Grown in the Great Plains states such as Nebraska, Montana, and the Dakotas Contains the greatest amount of Linoleic Acid of all seed oils. Linoleic acid protects and improves the skin barrier function. It works as moisturizer, conditioner, and emollient in skin and hair care products. Safflower is one of the oldest crops in existence, with roots tracing all the way back to Ancient Egypt and Greece.



Safflower oil has key uses in skin care products because of its ability to soothe and moisturize dry skin. Maintains the softness, suppleness, and radiance of skin and hair. Hence, **Safflower Oil** is commonly added to skincare products and cosmetics due to its skin-boosting benefits.

It contains anti-inflammatory antioxidants, and is rich in vitamin E. Vitamin E can aid in the treatment of conditions like atopic dermatitis, psoriasis, and acne, and it may even promote wound healing.

CLAIMS

- Moisturizer
- Antioxidant
- Nourishing agent
- Emollient
- Conditioner
- Promotes wound healing

APPLICATIONS

- Shampoos/Conditioners
- Moisturizers
- Skin care creams and lotions
- Sun Care products



Rita SAO

RITA SAO is a Refined Vegetable Oil obtained from the dried kernels of the almond tree. Almonds contain folic acid, alpha tocopherol, and zinc, which are useful for the treatment of skin disorders. It has been used for centuries both medicinally and cosmetically as a muscle-relaxer, cleanser, and moisturizer. **RITA SAO** is high in mono and polyunsaturated fatty acids, proteins, minerals, and glycosides.

RITA SAO also contains vitamins A, B1, B2, B6 with lesser amounts of Vitamin E and D. Due to the presence of Vitamin E the oil has antioxidant capability. Antioxidants protect vital cell structures by neutralizing free radicals. Topical Vitamin E has shown to have a wide variety of skin benefits. Studies have shown that it can help decrease the effects of psoriasis, erythema and may help in reducing the risk of skin cancer. Vitamin E also helps in the reduction of scarring from wounds and on the appearance of stretch marks on the skin.

- Exhibits greater stability over time compared to other vegetable oils with a shelf life of up to one year.
- Applies easily, offers deep penetration and significant moisture retention together with high nourishing properties.
- Designed for numerous cosmetic products from rinse-off to leave-on, showing great compatibility with all cosmetic ingredients.

CLAIMS

Moisturizer
Antioxidant
Nourishing agent
Emollient
Conditioner

APPLICATIONS

Shampoos/Conditioners
Moisturizers
Skin care creams and lotions
Sun Care products



Sesame Oil

Sesame Oil originates from countries including India, China, Sudan, Mexico, and Venezuela. It contains considerable amounts of unsaturated fatty acids oleic and linoleic. It is a Refined Vegetable Oil from Sesame seeds which are unusually high in oil, around 50% of the seed weight. Sesame is an oilseed and is one of the oldest cultivated plants in the world, used by ancient cultures that provides moisturization, emollience, and conditioning to skin and hair.



Sesame Oil is high in polyunsaturated fats. The oil contains about 42% Oleic and 44% Linoleic Acid (Omega 6), rich in Vitamins A, B and E as well as minerals. The oil contains powerful antioxidants called sesamol and sesamol, believed to promote cell integrity and the healthy function of body tissues.

- Possesses excellent emollient properties. It is highly hydrating and nourishing due to the Omega 6 content and it penetrates the skin quickly, detoxifying even the deepest tissue layers.
- A natural antibacterial, antiviral, and anti-inflammatory agent, and for these reasons it has been used to treat acne.
- May be directly applied to the skin and hair for care and protection leaving no greasy feeling. It may also be easily formulated as an active ingredient in hair care products or in general cosmetic formulations, including sun care since it is a natural UV protector. The recommended dosage is between 1-10%.
- Can also be used for massage and health treatments of the body. It is used to warm and stimulate the skin and underlying tissue; therefore, it can be thought of as detoxifying. Its warming effects enhance the circulation.

CLAIMS

Moisturizer
Antioxidant
Nourishing agent
Emollient
Conditioner

APPLICATIONS

Shampoos/Conditioners
Moisturizers
Skin care creams and lotions
Sun Care products



Rita SSO

Contains considerable amounts of linoleic acid. Provides moisturization, emollience, and conditioning to skin and hair. **RITA SSO** is a Refined Vegetable Oil that is a natural source of essential fatty acids, a combination of monounsaturated and polyunsaturated fats with low saturated fat levels. It also has beneficial amounts of lecithin.

- 
- rich in Vitamins A, C, D and E. The high Vitamin E content makes this oil especially helpful for delicate and dry skin. It has a minimal color level and is a colorless vegetable oil.
 - exhibits stability and resistance to rancidity over time compared to other oils due to the high content of natural Tocopherol
 - offers an excellent source of essential fatty acids. Functional applications for this oil include use as a dairy substitute and in the manufacture of confectionary items.

In cosmetic applications, **RITA SSO** is an excellent emollient. It has moisturizing, nourishing and conditioning properties, excellent skin feel and is easily absorbed. It is highly recommended for formulations designed to treat dry, weathered, aged and damaged skin. It can be used in anhydrous products and in emulsions at a concentration of 1-100% of the oil phase.

CLAIMS

Moisturizer
Antioxidant
Nourishing agent
Emollient
Conditioner

APPLICATIONS

Shampoos/Conditioners
Moisturizers
Skin care creams and lotions
Sun Care products

RITA

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Simchin Natural or Refind

Jojoba oil's origin is from the Sonoran Desert (southwest Arizona and California, Northern Mexico, and Baja California).

Jojoba oil contains a unique combination of fatty acids and esters of unsaturated alcohols and unsaturated C20-22 acids. It is considered a wax, similar in composition to the skin's own sebum, unrefined jojoba oil has superior moisturizing properties. It is a very stable oil, with a long shelf life.



Jojoba oil is rich in Vitamin E and B, as well as antioxidants and minerals like chromium, copper, and zinc, which all nourish and protect skin. Cold-pressed, Jojoba Oil has the highest level of antioxidants and nutrients. The antioxidants help fight inflammation, free radicals and oxidative stress.

Vitamin E and the moisture of the oil soothe the symptoms caused by burns, dry itchy skin and promote healing.

Gad HA, Roberts A, Hamzi SH, Gad HA, Touiss I, Altyar AE, Kensara OA, Ashour ML. Jojoba Oil: An Updated Comprehensive Review on Chemistry, Pharmaceutical Uses, and Toxicity. Polymers (Basel). 2021 May 24;13(11):1711.

CLAIMS

- Moisturizer
- Antioxidant
- Nourishing agent
- Emollient
- Conditioner

APPLICATIONS

- Shampoos/Conditioners
- Moisturizers
- Skin care creams and lotions
- Sun Care products



Soybean Oil

Soybean Oil contains vitamin K, vitamin E, and phytosterols. It is commonly used in anti-aging preparations. It moisturizes, conditions, and nourishes the skin and hair. **Soybean Oil** is a natural refined vegetable oil that displays a fatty acid composition profile that provides excellent emollient properties appreciated for all cosmetic formulations.

Soybean Oil shows a minimal color level and is an odorless vegetable oil.

Soybean Oil offers ease of spreading, great penetration and significant moisture retention combined with its high nourishing properties.

Soybean oil contains a high amount of linoleic acid, which has been shown to have skin brightening properties. Linoleic acid is an essential fatty acid that the body cannot produce on its own, and it helps to maintain the skin's natural barrier function. This can lead to brighter, more even-toned skin.

Soybean Oil is an ideal ingredient that is easily incorporated in all kinds of cosmetics from rinse-off to leave-on products. SOYBEAN OIL may be applied directly to the skin and hair. It may also be easily incorporated as an active ingredient or an ideal carrier in skin and hair care products. The recommended dosage is between 3 to 10%.

Soybean Oil can also be used directly as a massage oil.



CLAIMS

- Moisturizer
- Antioxidant
- Nourishing agent
- Emollient
- Conditioner

APPLICATIONS

- Shampoos/Conditioners
- Moisturizers
- Skin care creams and lotions
- Sun Care products



Wheat Germ Oil

Wheat Germ Oil is a source of Hexacosanol and Vitamin E. Hexacosanol is a 26-carbon, long-chain, saturated primary alcohol, it increases phagocytic activity (anti-bacterial) of macrophages. Wheat germ oil is used in anti-aging skin preparations. It moisturizes, conditions, and rejuvenates the skin and hair.

Wheat Germ Oil is extracted from the germ of Wheat kernel, which makes up only 2-3% by weight of the kernel. It is a Refined Vegetable Oil that contains an elevated level of natural Vitamin E which is a natural antioxidant, and important levels of unsaponifiable fraction. Its fatty acid composition supplies a high content of essential fatty acid that promotes the regeneration of cells. Wheat germ oil is particularly high in octacosanol – a long-chain saturated primary alcohol found in different vegetable waxes. Octacosanol has been studied as an exercise and physical performance enhancing agent.

Wheat Germ Oil offers ease of spreading, great penetration and significant moisture retention combined with its high nourishing properties. **Wheat Germ Oil** is an ideal ingredient that is easily incorporated in all kinds of cosmetics from rinse-off to leave-on products. A smart choice for dry, mature skin, keeps skin supple during pregnancy. Ideal for overall body care and especially beneficial for moisturizing, rejuvenating, and protecting dry and mature skin.

Wheat Germ Oil may be applied directly to the skin and hair. It may also be easily incorporated as an active ingredient or an ideal carrier in skin and hair care products. Recommended dosage is between 3-10%.

Wheat Germ Oil can also be used directly as a massage oil.



CLAIMS

- Moisturizer
- Antioxidant
- Nourishing agent
- Emollient
- Conditioner

APPLICATIONS

- Shampoos/Conditioners
- Moisturizers
- Skin care creams and lotions
- Sun Care products



Natural Oils

Oils can be interchanged in the formulations that follow.

MASSAGE

Oil

RITA Safflower Oil Carthamus Tinctorius (Safflower) Seed Oil	40.00%
RITA Borage Oil Borago Officinalis Seed Oil	25.00%
Grape Seed Oil Vitis Vinifera (Grape) Seed Oil	15.00%
Luxtra Rich C32-54 Isoalkane	10.00%
RITA Olive Oil Olea Europaea (Olive) Fruit Oil	7.00%
RITA Avocado Oil Persea Gratissima (Avocado) Oil	3.00%

NATURAL Baby Lotion

DI Water	Q.S. to 100%
Ritamulse SCG Glyceryl Stearate, Cetearyl Alcohol, Sodium Stearoyl Lactylate	6.00%
RITA Cocoa Butter NF Theobroma Cacao (Cocoa) Seed Butter	1.00%
Simchin Refined Simmondsia Chinensis (Jojoba) Seed Oil	2.00%
Shebu Oil Butyrospermum Parkii (Shea Butter) Oil	1.00%
Rice Bran Oil Oryza Sativa (Rice) Bran Oil	1.00%
Esaflor HM22 C18-22 Alkyl Hydroxypropyl Guar	0.20%
Vitamin E Acetate Tocopherol Acetate	0.10%
Amitose R Dihydroxypropyl Arginine HCl	1.00%
Ritapan DL Panthenol	0.50%
Phenoxyethanol Phenoxyethanol	1.00%

ANTI-WRINKLE

Cream

DI Water	Q.S. to 100%
Luxtra Light Isohexadecene	5.00%
Glycerin, USP Glycerin	3.00%
HYPKIN BS Sargassum filipendula Extract, Hypnea musciformis Extract, Glycerin, Sodium Benzoate, Sodium Benzoate and Potassium Sorbate.	2.00%
RITA Borage Oil Borago Officinalis Seed Oil	4.00%
Viscolam AT 100P Sodium Polyacryloyldimethyl Taurate, Hydrogenated Polydecene, Trideceth-10	3.00%
Amitose 2 GA Glyceryl Ascorbate	2.00%
Amitose R Dihydroxypropyl Arginine HCl	1.00%
Esaflor HM22 C18-22 Alkyl Hydroxypropyl Guar	0.20%
Phenoxyethanol Phenoxyethanol	1.00%

NIGHT

Cream

DI Water	Q.S. to 100%
Esaflor HM22 C18-22 Alkyl Hydroxypropyl Guar	0.20%
Glycerin, USP Glycerin	1.50%
Ritamulse SCG Glyceryl Stearate, Cetearyl Alcohol, Sodium Stearoyl Lactylate	8.00%
RITA Borage Oil Borago Officinalis Seed Oil	5.00%
Luxtra Rich C32-54 Isoalkane	3.00%
Amitose R Dihydroxypropyl Arginine HCl	1.00%
Phenoxyethanol Phenoxyethanol	1.00%



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Natural Oils

Oils can be interchanged in the formulations that follow.

NATURAL

Moisturizer

DI Water	Q.S. to 100%
Ritamulse SCG Glyceryl Stearate, Cetearyl Alcohol, Sodium Stearoyl Lactylate	6.00%
RITA Cocoa Butter NF Theobroma Cacao (Cocoa) Seed Butter	1.00%
Luxtra Pure C32-54 Isoalkane	3.00%
RITA Macadamia Oil Macadamia Ternifolia Seed Oil	3.00%
RITA Apricot Kernel Oil Prunus Armeniaca (Apricot) Kernel Oil	1.00%
Esaflor HM22 C18-22 Alkyl Hydroxypropyl Guar	0.20%
Vitamin E Acetate Tocopherol Acetate	0.50%
Amitose R Dihydroxypropyl Arginine HCl	1.00%
Ritapan DL Panthenol	0.50%
RITA HA C-1-C Sodium Hyaluronate	1.00%
Phenoxyethanol	1.00%

CONDITIONING SHAMPOO

DI Water	Q.S. to 100%
Ritaquta 125 Polyquaterium-10	0.30%
Ritasil SQ2050 Silicone Quaternium-17	0.20%
Phenoxyethanol	1.00%
Citric Acid 50% Solution	Q.S.
Ritafactant SFE Lauryl Glucoside, Sodium Lauroyl Sarcosinate, Disodium Cocoamphodiacetate, Sodium Lauroyl Lactylate	40.00%
Ritapan DL Panthenol	0.50%
RITA Coconut Oil 76 Cocos Nucifera (Coconut) Oil	0.50%
Ritathix DOE PEG-120 Methyl Glucose Dioleate, Methyl Gluceth-10	Q.S.
Disodium EDTA	0.05%
Disodium EDTA	
Vegetamide 18MEA-NJS Cetearamidoethylidithonium Succinoyl Hydrolyzed Pea Protein, Glycerin	1.00%

MOISTURIZING BODY WASH

DI Water	Q.S. to 100%
Esaflor EC4 Guar Hydroxypropyltrimonium Chloride	0.60%
Citric Acid 50% Solution	Q.S.
Ritafactant 138 ANLG MB Decyl Glucoside, Lauryl Glucoside, Sodium Lauroyl Lactylate	35.00%
Ritafactant LS-30 Sodium Lauroyl Sarcosinate	0.20%
Ritapan D Panthenol	0.20%
Ritathix DOE PEG-120 Methyl Glucose Dioleate, Methyl Gluceth-10	Q.S.
Disodium EDTA	0.05%
Phenoxyethanol	1.00%
RITA Brazil Nut Oil Bertholletia Excelsa Seed Oil	1.00%



RITA

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Properties Table

PRODUCT	INCI NAME	APPEARANCE	FATTY ACID DISTRIBUTION
Borage Oil	Borago Officinalis Seed Oil	Pale Yellow Liquid	Linoleic Acid 30-41% γ-linolenic Acid 15-30% Oleic Acid 10-25% Palmitic Acid 10-15% Stearic Acid <5%
Rice Bran Oil	Oryza Sativa (Rice) Bran Oil	Clear Liquid	Palmitic Acid 15-25% Stearic acid <5% Oleic acid 30-45% Linolenic acid <3%
Apricot Kernel Oil	Prunus Armeniaca (Apricot) Kernel Oil	Colorless to yellow liquid	Palmitic Acid 3-10% Oleic Acid 50-80% Linoleic Acid 20-35%
Argan Oil	Argania Spinosa Oil	Pale yellow liquid	Oleic acid 40-55% Linoleic acid 25-35% Stearic acid 5-10% Palmitic acid 10-15%
Avocado Oil	Persea Gratissima (Avocado) Oil	Clear yellow liquid	Oleic acid 35-45% Palmitic acid 25-30% Linoleic acid 15-20% Palmitoleic acid 10-15%
Brazil Nut Oil	Bertholletia Excelsa Seed Oil	Yellow to amber liquid	Stearic Acid 20-30% Oleic Acid 40-50% Linoleic Acid 20-30%
Canola Oil	Canola Oil	Light yellow liquid	Palmitic Acid ~5% Stearic Acid ~2% Oleic Acid 50-60% Linoleic Acid 20-30% Linolenic Acid 10-20%
Coconut Oil 76	Cocos Nucifera (Coconut) Oil	Yellow to amber liquid	Lauric Acid 35-55% Myristic Acid 15-25% Caprylic Acid 5-10% Palmitic Acid 5-10% Stearic Acid 1-5% Oleic Acid 5-15% Linoleic Acid 1-2%
Hydrogenated Coconut Oil	Hydrogenated Coconut Oil	Yellowish solid	N/A
Grapeseed Oil	Vitis Vinifera (Grape) Seed Oil	Pale yellow liquid	Palmitic Acid 5-10% Stearic Acid 2-10% Oleic Acid 10-30% Linoleic Acid 55-80% Linolenic Acid <1%
Macadamia Nut Oil	Macadamia Ternifolia Seed Oil	Clear liquid	Palmitic Acid <6% Stearic Acid <2% Arachidic Acid <2% Oleic Acid 60-70% Palmitoleic Acid <20%
Olive Oil	Olea Europaea (Olive) fruit Oil	Pale yellow to green liquid	Palmitic Acid <12% Stearic Acid <5% Oleic Acid 60-85% Linoleic Acid <12% Linolenic Acid <1%
Rosehip Oil	Rosa Moschata Seed Oil	Pale yellow liquid	Palmitic acid <10% Stearic acid <1% Oleic acid 10-20% Linoleic acid 40 - 55% Linolenic acid 25 -50%
Safflower Seed Oil	Carthamus Tinctorius (Safflower) Seed Oil	Yellow to amber liquid	Oleic Acid 10-20% Linoleic Acid 70-80%
Rita SAO	Prunus Amygdalus Dulcis (Sweet Almond) Oil	Yellow to amber liquid	Palmitic Acid <10% Stearic Acid <3% Oleic Acid 60-75% Linoleic Acid 20-30% Linolenic Acid <2%
Sesame Seed Oil	Sesamum Indicum (Sesame) Seed Oil	Light yellow liquid	Oleic Acid 35-45% Linoleic Acid 40-50%
Rita SSO	Helianthus Annus (Sunflower) Seed Oil	Yellow to amber liquid	Palmitic Acid <6% Stearic Acid <5% Oleic Acid 15-25% Linoleic Acid 50-65%
Simchin Natural or Refined	Simmondsia Chinensis (Jojoba) Seed Oil	Yellow liquid	Palmitic Acid <2% Oleic Acid <5-10% Gadoleic Acid 65-75% Erucic Acid 10-15% Nervonic Acid <2%
Soybean Oil	Glycine Soja (Soybean) Oil	Yellowish liquid	Oleic Acid 15-25% Linoleic Acid 45-60% Linolenic Acid 5-10%
Wheat Germ Oil	Triticum Vulgare (Wheat) Germ Oil	Yellow to amber liquid	Oleic Acid <30% Linoleic Acid 40-55% Linolenic Acid <3%

"US National Nutrient Database, Release 28". United States Department of Agriculture. May 2016. All values in this table are from this database unless otherwise cited or when italicized as the simple arithmetic sum of other component columns.