

COMMERCIAL BULLETIN

ALOE VERA FEMININE HYGIENE CARE



AMB Wellness is a Raw Material supplier only

ALOE VERA IS ONE OF THE MOST FAMED SKINCARE PLANTS OF ALL TIME

The balance of physical properties, such as softness, flexibility, strength, integrity and resiliency has not been completely optimized. Topical chemistry may be used to enhance the delivered product properties of the feminine hygiene (wet wipes, absorbent articles, cleanser, etc). This has been particularly true for those who manufacture feminine hygiene products, and make the desire improvement add value as skin health or the ability to impart skin health benefits from natural sources.



The development of beneficial formulas supporting the body hygiene & purity is our priority

AMB Wellness is conscious to improve skin health benefits for intimate woman care products, introduce **INNOVALOE AVG POWDER 200:1** which are intended to condition, hydrate and sooth the skin without irritation for repeated contact the skin in order to better enhance the benefits to your clients of personal care or final consumers.

ALOE HAS A NATURAL CLEANSING ACTION

Aloe contains saponin, this is another natural chemical constituent of Aloe Vera, which contains cleansing properties and antimicrobial and antifungal action properties, the bactericidal action causes normal cells resistant the attack of external aggressive agents, as bacterias make bad odor in feminine care.

MAKE ALOE VERA INGREDIENT PART OF YOUR FEMININE HYGIENE FORMULAS ALOE HAS A NATURAL CLEANSING ACTION.

Add aloe Vera to existing formulas or add new one on your portfolio, for its cleansing action, moisturizing effect in skin and soothes and prevents dryness after continuous use of wet wipes.

The astringent properties of Aloe Vera cleansing capacities in Wet Wipes; Its most visible effects are the changes in pH the skin of vaginal area, soothes and moisturizes.



ALOE FEMININE HYGIENE CARE

ALOE SKIN CARE APPLICATIONS IN FEMININE HYGIENE

Packed with beneficial nutrients, Aloe is a key for a variety of skin care applications. In fact, the soothing properties of Aloe are particularly helpful during cleansing process of the skin's areas.

Surprise your customers adding Innovaloe™ ingredients in your formulas and products. Aloe Vera improves the skin's ability to hydrate itself; it is therefore an active skin conditioning agent. Externally applied, it is a natural skin with the ability to penetrate into the skin and transport healthy substances through it.



ALOE BENEFITS IN FEMININE HYGIENE – HIGHLIGHTS

- Soothes while it softens
- Soothes irritated skin due friction of absorbent garment for feminine care- sanitary napkins and panty-liners
- Provides protection as a moisture barrier
- Hydrate and smooth skin
- Gently cleanses in vaginal douches
- Removes odor-causing bacteria in feminine wet wipes
- Helps maintain a natural pH
- Retains moisture, smoothes away surface dryness and protects against menstruation time
- Aloe Vera gel moisturizers to effectively penetrate through layers of skin, speed up cell renewal and feminine itchy skin and heals.
- Has the ability to re-moisturize and revitalize dry, damaged skin.
- Natural moisture balance
- Aloe Is a natural skin conditioner, helps to soothe soft and smooth skin
- Eliminate the bacteria that caused unpleasant odors.
- Can be used during pregnancy.
- Not causing redness, itchiness, irritation & dryness.
- Maintain the natural pH balance for intimate area, while gently, but effectively cleansing.
- Real origin Musk fragrances (according Tahara)
- To be used in a daily basis.
- Not causing redness, itchiness, irritation & dryness.
- To be used in a daily basis.
- Have silky & soft feeling.



ALOE REDUCE IRRITATION



Aloe Vera helps reduce irritation through its powerful healing activity at the epithelial level of the skin, a layer of cells that cover the body. It acts as a protective layer on the skin and helps replenish its moisture. Because of its nutritional qualities and antioxidant properties, the skin heals quicker.

It acts as a moisturizer. Aloe moisturizes the skin without giving it a greasy feel, so it's perfect for anyone with skin complexion. Aloe Vera acts as a moisturizer and is great for the face prior to the application to prevents skin dry.

Aloe treats skin inflammation. It allows the skin to heal quickly and naturally with minimal scarring. The ability to add innumerable characteristics as botanical ingredients means that nonwovens are becoming more versatile and multipurpose.

ALOE VERA PROVIDES A WEALTH OF ADVANTAGES RANGING FROM SOFTNESS, ELASTICITY AND ABSORPTION

Packed with beneficial nutrients, Aloe is key for a variety of feminine non-woven applications. In fact, the soothing properties of Aloe are particularly helpful during the use of feminine hygiene pads. Fortunately, Aloe can avoid irritation and odor, thus decreasing the amount and length of time of discomfort. It should be applied generously to the top sheet of non-woven article where has contact and friction with the product.

Aloe Vera penetrates the skin quickly and deeply. This allows water and other moisturizers to sink deeply into the skin, restoring lost fluids and replacing the fatty layer. It permits the uronic acids, which strip toxic materials of their harmful effects, to penetrate deeply and allows the cleansing astringent qualities of the gel to work better. By increasing the circulation of the blood to an area, Aloe Vera sloughs off the dead cells and fosters the growth of new ones. This helps foster the regeneration of scarred or blemished skin tissue and provides a protective coating on the skin to prevent the growth of harmful bacteria.



ALOE FEMININE HYGIENE CARE

ALOE HAS AN ANTISEPTIC ACTION AND ALSO STOPS SKIN INFECTIONS.

It heals blemishes with little or no scarring. The moisturizing effect of Aloe Vera can be explained because of three main attributes. The plant has the ability to carry nutrients and moisture through the different layers of the skin so it can benefit from a high absorption. Furthermore, the polysaccharides will create a barrier that prevents the loss of moisture. Taken that these polysaccharides also have antihistamine and antibiotic properties, people with damaged or easily-irritated skin are benefited.

Finally, the enhanced availability of fibroblasts supports the natural collagen production process. Most global markets are increasingly concerned with consumer health and the use of natural products. Aloe Vera should regain its position of valuable active ingredient now we are able to better understand the plant and know to look for the active compounds.

ADD MORE LIFE TO YOUR COSMETIC PRODUCTS WITH NATURAL BIOACTIVES FROM ALOE VERA

MECHANISM OF ACTIONS OF ALOE VERA IN BODY CARE

- First: the polysaccharides act as moisturizer and hydrating the skin.
- Second: Aloe is absorbed into the skin and stimulates the fibroblasts to replicate themselves faster and it is these cells that produce the collagen and elastin fibers, so the skin becomes more elastic and soothe.
- Third: Aloe makes the surface of the skin smoother because of its cohesive effect on the superficial flaking epidermal cells, binding them.

Healing properties:
Glucomannan, a mannose-rich polysaccharide, and gibberellin, a growth hormone, interacts with growth factor receptors on the fibroblast, thereby stimulating its activity and proliferation, which in turn significantly increases collagen synthesis after topical and oral Aloe Vera. Aloe gel not only increased collagen content of the wound but also changed collagen composition (more type III) and increased the degree of collagen cross linking. Due to this, it accelerated wound contraction and increased the breaking strength of resulting scar tissue. An increased synthesis of



hyaluronic acid and dermatan sulfate in the granulation tissue of a healing wound following oral or topical treatment has been reported.

Anti-inflammatory action: Aloe Vera inhibits the cyclooxygenase pathway and reduces prostaglandin E2 production from arachidonic acid. Recently, the novel anti-inflammatory compound called C-glucosyl chromone was isolated from gel extracts.

ALOE FEMININE HYGIENE CARE

Moisturizing effect: Mucopolysaccharides help in binding moisture into the skin. Aloe stimulates fibroblast which produces the collagen and elastin fibers making the skin more elastic and less wrinkled. It also has cohesive effects on the superficial flaking epidermal cells by sticking them together, which softens the skin.

ALOE IN NON WOVEN APPLICATIONS FOR FEMENINE CARE



In the feminine hygiene category, products are becoming more and more technologically advanced with added cosmetic and convenience features to ease everyday use. New products are now more discreet or even invisible giving women a secure feeling and preventing any kind of leakage. The broad variation of products available includes everything from mini tampons and panty-liners to thin and thick sanitary pads, all products in which nonwovens play a major role in providing the desired properties and functions.

Changing lifestyles set the pace for new product development in this category, with recent trends including white or black panty-liners to match lingerie, full-size thick sanitary towels for the mature woman and fully absorbent string pads for the younger generation. Some products are lotioned or treated with Aloe Vera, either shaped or straight and sometimes with soft nonwoven wings for comfortable use. Convert Aloe Vera into a waterless lubricant solution, and apply the solution of Aloe Vera to areas in contact with skin.

Aloe Vera provides a wealth of advantages ranging from softness, elasticity and absorption for your feminine hygiene products; add value for this increasing market with this natural ingredient, bringing a differentiation concept in benefit of your line of absorbent garment for feminine care-sanitary napkins, panty liners become a leader in the market adding natural extract into your products.

ALOE VERA LUBRICANT COMPOSITION PROVIDES A PROTECTIVE LAYER

Aloe Vera reduces the detrimental irritation and rash often associated with prolonged exposure, particularly areas of discharge of menstruation leakage. Be aware of the changing needs of the modern woman, creating a best respond to these needs, developing a range of feminine hygiene products with extra care product features, as Aloe Vera does for your products.



CARE HYGIENE COMPONENTS

A wide range of hygiene products produced in the nonwoven industry is already using Aloe Vera in their formulations, adult diapers and feminine hygiene pads, all of them provide softness. Playing in Aloe Vera's favor is the fact that a substantial number of consumers all over the world have already come across this ingredient in skin care products. A widespread association exists between Aloe Vera and personal care products add high value to your non-woven products applying botanical extracts as Aloe Vera, in that the latter are intended to deliver an active agent applied to the top sheet.

- Alternative top sheet types, depending on the needs of different skin types.
- Acquisition layer that distributes moisture lengthwise, to keep the top sheet dry.
- Super absorbent core that ensures top dryness levels, and odorless
- For every day , impregnate also panty liners with Aloe Vera to offer a clean feeling, together with unique skin properties.



WET WIPES FOR FEMININE HYGIENE

Wipes are frequently loaded with compositions that cleanse and or moisturize the skin. The compositions utilized frequently because stinging or irritation to the female sensitive areas. There is a need for a wipe that contains a cleansing composition that does not irritate or sting women's sensitive areas. Taking care of the feminine hygiene in moistened novettes intends to cleaning up before or after intimate moments with Aloe lotion, make a soft and soothing effect to intimate areas or for travel. Take part of the market "on the go" to design formulas with Aloe Vera and provide a gently and effectively cleanse for sensitive skin.

- Sanitary wipes,
- Moist Toilet Tissue
- Flushable Moist Feminine Wipes for Women,
- Feminine Wipes,
- Flushable Intimate Towelettes
- Anti-Itch Medicated Wipes with Odor Block Protection
- Night-Time Sensitive Skin Feminine Wipe
- On-The-Go Wipes -

Add Aloe Vera and vitamin E and other active ingredients to helps to reduce irritation or stinging and smooth skin in sensible parts of intimate of women, taking care the formula your formula has a pH 4.0 to 5.0. Aloe Vera has naturally pH of 3.5 and is ideal for intimate skin care.

TOILET CLEANSING COMPOSITION

Tissue paper may be Toilet Tissue has a challenge impregnated with a liquid to stop cleaning before the or semi-liquid composition, skin is completely cleansed. intended to both facilitate Such behavior is prompted by cleaning and to deposit a skin the harshness of the tissue, as benefit agent onto the skin. continued rubbing with a harsh Toilet tissue products share a product can abrade the sensitive common need, specifically to be skin and cause severe pain. For soft to the touch. The purpose this purpose add a lotion with of being soft is so that these Aloe Vera to your toilet tissue products can be used to cleanse product, making soft tissue and the skin without being irritating; toweling products. effectively cleansing the skin is a persistent personal hygiene problem for many people.



Accordingly, there is a continuing need for soft, multi-ply tissue paper products in which one or more of the constituent plies are orientated with a textured surface on an outer face. Application of Aloe Vera based treatment agent to tissue paper suppresses any feeling of slipperiness or wetness in ordinary tissue paper and toilet paper so the paper has a dry touch, ample smoothness, and a clean, smooth, tactile impression. It also provides the paper with a superior softness. The Aloe Vera-based treatment agent consists of a silicone oil emulsion which is cross linked with silicone particles. Hence, the irritation and inflammation potentially caused by the use of tissue products is a common drawback experienced by users of both toilet tissues. The cleansing composition in a flushable personal hygiene towelettes – pre-moistened, but is not limited to: an emollient, an emulsifier, a skin health benefit ingredient, a rheology modifier, and water.

Other ingredients may be incorporated into the composition, including, but not limited to, soothing agents, vitamins, minerals, antioxidants, moisturizers, botanicals (as Aloe Vera), perfumes, potentiators, aesthetic enhancing ingredients, a preservative or a multiplicity of preservatives acting together as a preservative system and additional skin health benefit ingredients.



Prepare composition also contains an additional anti-inflammatory agent, preferably Aloe Vera.

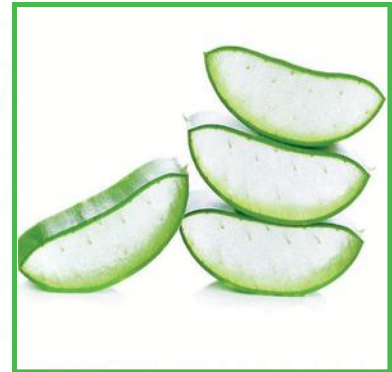
The inner layer of the plant leaf contains a clear gel. Aloe Vera gel is known to contain a number of anti-inflammatory agents useful for topical applications. The gel produces anti-inflammatory, moisturizing and emollient effects which help to relieve pain and stop itching. Aloe Vera dilates capillaries allowing more blood to get to the diseased area, thus speeding up the healing process.

ALOE FEMININE HYGIENE CARE

Absorbent tissue products such as feminine toilet pads have been used to absorb body fluids and leave the skin dry. Frequent use of absorbent tissues may however irritate the skin. To reduce skin abrasion, tissue products have included additives applied to the tissue surfaces to reduce or eliminate abraded skin during heavy use periods. The additives can enhance sheet softness perceptions by reducing the stiffness of the sheet, making it more drapeable or by providing lubricity, helping the sheet glide across the surface of the skin.

MAXIMIZE SOFTNESS WITH ALOE VERA

The additives may also be deposited on the skin. One of the additives suggested is Aloe Vera enriched with Vitamin E. It is well known that there is an inverse relationship between the softness of tissue paper products and the strength of those products. Strength is the ability of the product, and its constituent webs, to maintain physical integrity and to resist tearing, bursting, and shredding under use conditions. Tissue paper webs are normally moderated in strength to the minimum level required in order to maximize the potential for softness.



ALOE VERA IS WELL KNOWN FOR ITS HEALING PROPERTIES

All of these tissues products share a common need, specifically to be soft to the touch. Softness is a complex tactile impression evoked by a product when it is stroked against the skin. The purpose of being soft is so that these products can be used to cleanse the skin without being irritating.

Such tactile perceivable softness can be characterized by friction, flexibility, and smoothness, as well as subjective descriptors, such as a feeling like lubricious, velvet, silk or flannel. This imparts a lubricious feel to tissue this includes many absorbent tissue products, such as facial tissue, toilet tissue, and napkins are used to absorb and remove bodily fluids, make-up, and other soils, and leave the skin clean and dry. During repeated use, however, many tissue products can also abrade the skin and remove the natural protective oils and lipids from the skin's surface. For example, during frequent nose blowing or anal cleansing, the skin may be compromised and can become so abraded as to become red and sore to the touch.



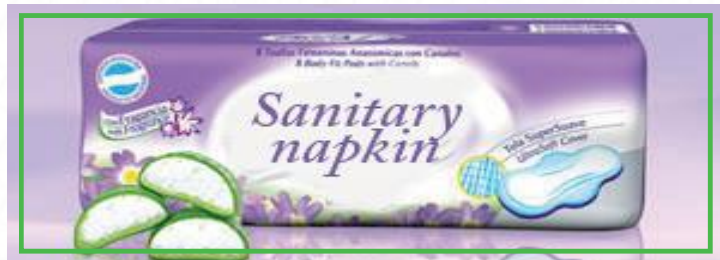
In this state, additional irritants can penetrate the outer layers of the skin and cause further irritation, and even infection. In order to address these concerns, there have been numerous previous attempts to reduce the abrasive effect of toilet and facial tissues and to increase their softness impression. One common approach to increase the softness of tissue products is by adding Aloe Vera lotion improved with Vitamin E. This Aloe Vera lotion composition is applied to at least one surface of a tissue paper web. Any of a variety of application methods that evenly distribute lubricious materials having a molten or liquid consistency can be used.

Suitable methods include spraying, printing: flexographic printing, coating: gravure coating, extrusion, or combinations of these application techniques, and then spraying the lotion composition on a rotating surface, such as a calender roll, that then transfers the composition to the surface of the paper web. The Aloe Vera lotion composition can be applied either to one surface of the tissue paper web, or both surfaces. Preferably, the lotion composition is applied to both surfaces of the paper web.

IMPROVE YOUR TOILET TISSUE PRODUCT WITH ALOE FROM AMB WELLNESS AND ENHANCE SOFTNESS AND REDUCE IRRITATION

OTHER ALOE VERA APPLICATIONS IN TISSUE PAPER:

- Net pants
- Breast wipes
- Tissue paper
- Toilet paper
- Sanitary pads
- Cleansing tissue



ALOE AN ITS CLEANSING ACTIVITY



It has been demonstrated that Aloe Vera extracts increase skin moisturization through a humectant mechanism. Indeed, this substance increases the quantity of water contained in the superficial part of the epidermis without increasing the TEWL (Transpidermal Water Loss).

The composition of the extract, rich in hygroscopic mono/ polysaccharides and amino acids (histidine, arginine, threonine, serine, glycine and alanine), is probably responsible for improving water retention in the stratum corneum gives your skin proper acidity – pH for cleansing wet wipes and pads.

The problem is that standard cleaning agents have strong alkaline pH, and that elutes from the skin surface part of the natural protective layer – the hydrolipid mantle. The skin of a woman o babies quickly copes with this problem. It looks worse when the skin is dry, weakened by age, with a tendency to weaken with allergies or the overall bad condition of the body.

Saponins are natural anti-fungal agents which inhibit the growth of bacteria, viruses and fungi. They increase the concentration of antibodies in the blood, lower cholesterol and normalize blood sugar concentration. Saponins also increase mineral absorption helping the neutralization process of acidic waste, improving digestion and helping in achieving overall wellness. Aloe Vera contains saponins. These are soapy substances from the gel that is capable of cleansing and having antiseptic properties. The saponins perform strongly as antimicrobial against bacteria, viruses, fungi, and yeasts.

ALOE FEMININE HYGIENE CARE



The plant sterols or phyto-steroids in Aloe Vera include Cholesterol, Campesterol, Lupeol, and B (Beta sign) Sitosterol.

The plant steroids have fatty acids in them that have antiseptic, analgesic, and anti-inflammatory properties. Saponins glycosides form approximately 3% of the Aloe Vera gel.

Saponins contain antiseptic properties and are capable of cleansing. Saponins are naturally occurring substances - sparkling microorganisms - with anti-inflammatory, antiseptic and cleansing properties. With a strong antimicrobial activity against bacteria, viruses, fungi and yeasts while stimulating immune system. Aloe Steroid saponins, which resemble those of the human body and have anti-inflammatory action, saponins demonstrate antimicrobial properties particularly against fungi and additionally against bacteria and protozoa.

SAPONINS ARE NATURAL CLEANSER FOR FEMININE DOUCHE

Saponins have detergent or surfactant properties because they contain both water-soluble and fat-soluble components. They consist of a fat soluble nucleus, having either a steroid or triterpenoid structure, with one or more side chains of water soluble carbohydrates (sugars). As a consequence of their surface-active properties, saponins are excellent foaming agents, forming very stable foams because of their surfactant properties.

The antifungal and antibacterial properties of saponins are important in personal care applications, in addition to their emollient effects. Because of their surfactant properties, saponins are also used in bath liquid soap, in emulsions for cosmetic products like lipstick and shampoo where their anti-fungal and anti-bacterial properties are important in addition to their emollient effects.

The soapy characteristics of saponins make them ideal for use as spray adjuvants (they make sprays work better). They also make sprays stick or spread better on leaf surfaces. They also allow nutrients to be absorbed better. Another important thing they do is to distribute water more evenly on hard-to-wet substrates.

Saponins when mixed with water reduce the surface tension of water, allowing the formation of small stable bubbles. As a consequence of their surface-active properties, saponins are excellent foaming agents (very stable). Today, Aloe saponins are ideal for feminine cleansers. The antifungal and antibacterial properties of Aloe saponins are important in cosmetic applications, in addition to their emollient effects.



ALOE AND ANTISEPTIC AGENTS

The Aloe Vera plant produces six antiseptic agents: Lupeol, a natural salicylic acid, urea nitrogen, cinnamic acid, phenol, and sulfur all demonstrate anti-microbial effects. Lupeol and salicylic acid also have analgesic effects. These naturally occurring sterols bear a tremendous similarity to synthetic materials, those synthetic materials like corticosterone and hydrocortisone, traditionally used in allopathic medicine for their anti-inflammatory effects.

The antiseptic property of Aloe Vera is due to presence of six antiseptic agents namely lupeol, salicylic acid, urea nitrogen, cinnamonic acid, phenols and sulphur. These compounds have inhibitory action on fungi, bacteria and viruses. Antiseptic effect: Aloe Vera contains antiseptic agents: Lupeol, salicylic acid, urea nitrogen, cinnamonic acid, phenols and sulfur. They all have inhibitory action on fungi, bacteria and viruses.



ALOE AND ITS ANTIBACTERIAL AND ANTIFUNGAL ACTIVITY



Aloe has Lauric acid is a potential antibacterial and antifungal agent. The human body converts lauric acid into monolaurin, which is supposedly helpful in dealing with viruses and bacteria that cause diseases. It also helps in fighting bacteria that caused unpleasant odors. Lauric acid is considered a "healthier" saturated fat because it is a medium chain triglyceride. As an MCT, lauric acid is more easily absorbed by the body and has a host of other associated health benefits, including potentially helping with weight loss.

Medium chain triglycerides, or fatty acids, such as lauric acid, are characterized by a specific chemical structure that allows your body to absorb them whole. This makes them more easily digestible -- your body processes them as it would carbohydrates, and they are used as a source of direct energy.

Products in feminine intimate cleansers with aloe vera

- 1) Intimate Cleanser rinse-off
- 2) Biphasic water (Water & Oil)
- 3) Intimate Velvet Cream
- 4) Scented water for external use
- 5) Betadine 10% W/V Vaginal Douche
- 6) Intimate Gel Wash
- 7) Antiseptic Foaming Solution
- 8) Intim Protect Lotion (cleansing lotion)
- 9) Vaginal Cleansing Gel
- 10) Iodine Vaginal Douche
- 11) W/V Vaginal Douche



ALOE FEMININE HYGIENE CARE

- 12) Intimate Wipes Musk Natural Fragrance
- 13) Disposable Vaginal Douche
- 14) Fast relief of Feminine Itching
- 15) Daily Feminine Wash Foam
- 16) Intimal Double Effect Feminine Wash Emulsion 2 In 1
- 17) Toilet Seat Cover
- 18) Paper Panties Disposable
- 19) Antiseptic Wet Wipes
- 20) Vagyl Sachet (Vaginal Antiseptic)
- 21) Taharah Soap
- 22) Femenine Napkin
- 23) Panty Liner
- 24) Musk al Tahara Scented Body cream



CREATE INNOVATIVE ALOE VERA FEMININE HIGYENE PRODUCTS WITH INNOVALOE™ FROM AMB WELLNESS

In skin care, cosmetics and personal care products, more than any other consumer product category, a vital component is product's functionality, in addition to it, consumers want to buy effective, healthy and natural products that protect their skin. The natural category has exploded and now accounts for a growing percentage of the global personal care market, climbing at double digit rates. The personal care industry goes natural and organic.

