

Commercial Bulletin

Toilet Paper and Facial Tissues



Aloe in toilet paper

**Aloe infused tissues
provides an
ongoing innovation**



Aloe Vera in Toilet Paper and Facial Tissues

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 paper tissues products applying botanical extracts as Aloe Vera

The personal care and hygiene industries have seen a dramatic growth in the number of new and innovative toilet paper and facial tissue product applications.

The development of new properties and applications of tissues papers has been triggered by the changing marketplace. The constant search for convenience and instant solutions to the always "on-the-go" lifestyles, have generated many new business opportunities within the tissue paper industries.



Tissue papers, as toilet tissues, facial tissues and napkin tissues, cleaning rags, handkerchiefs, kitchen roll, paper handkerchief, paper towels, sanitary paper and toilet paper, cotton buds,



cotton wool, draw sheets and wash cloths are part of our daily lives.

Today tissue paper has a strong competition tissue paper products and requires develop defensive strategies to combat the erosion caused substitutes products as wet wipes, promote innovation in your tissue paper line and define the desired direction for improvement, one of this strategies is to infused with Aloe Vera and vitamin E Lotion and other skin care preparations, ingredients known for their soothing properties, to help to soothe and protect your sensitive nose and make a differentiation with your competitors and improve de desirable benefits for the consumer.



Consumers use paper products, such as facial tissues, toilet tissues, and paper towels, for a wide variety of applications. Facial tissues are not only used for nose care but, in addition to other uses, can also be used as a general wiping product. Consequently, there are many different types of tissue products currently commercially available.

In some applications, paper products are treated with lotions and/or various other additives for numerous desired benefits. For example, formulations containing Aloe have been topically applied to tissue products in order to increase the softness of the product. In particular, adding silicone compositions with Aloe to a facial tissue or others can impart improved softness to the tissue while maintaining the tissue's strength.

Add a composition for tissue product line containing a non-irritating skin health benefit ingredient as Aloe Vera in the process of making



Apply Aloe Vera in tissue paper products

Aloe Vera is very important to add value for marketing purposes; it also provides the ability to impart skin health benefits from natural sources as Aloe Vera.

For that reason **AMB Wellness** and its strategic partner **HNSI** supply Aloe Vera with great chemical properties as polysaccharide's and introduces **InnovAloe Aloe Vera powder 200X** which is intended to condition, hydrate and soothe the skin without irritation for repeated contact to the skin in order to better enhance the benefits to your personal care consumers.



Aloe in toilet paper

Improve the feel of tissue products and create new effects with Aloe Vera

Bioactive Aloe Vera

The following information is just for commercial reference, it no pretend to be a medical use or claim, is a recompilation of documents or files of Aloe Vera worldwide and desire to be a help to know more of Aloe Vera.

Today consumers are looking for products with healthy proprieties. Conscious of this new lifestyle, AMB is dedicated to develop new natural ingredients which fulfill our unique customer's need in tissue paper industry.

We care for your health creating refined and pure extracts which synthesized some natural elements need by your body.

If you're looking for Aloe Vera Raw Materials, you've to come to the right place. **AMB Wellness** and HNSI offer a variety of fresh-pressed Aloe Vera Ingredients as juice, concentrates & powders, premium ingredients that will boost the therapeutic effect.

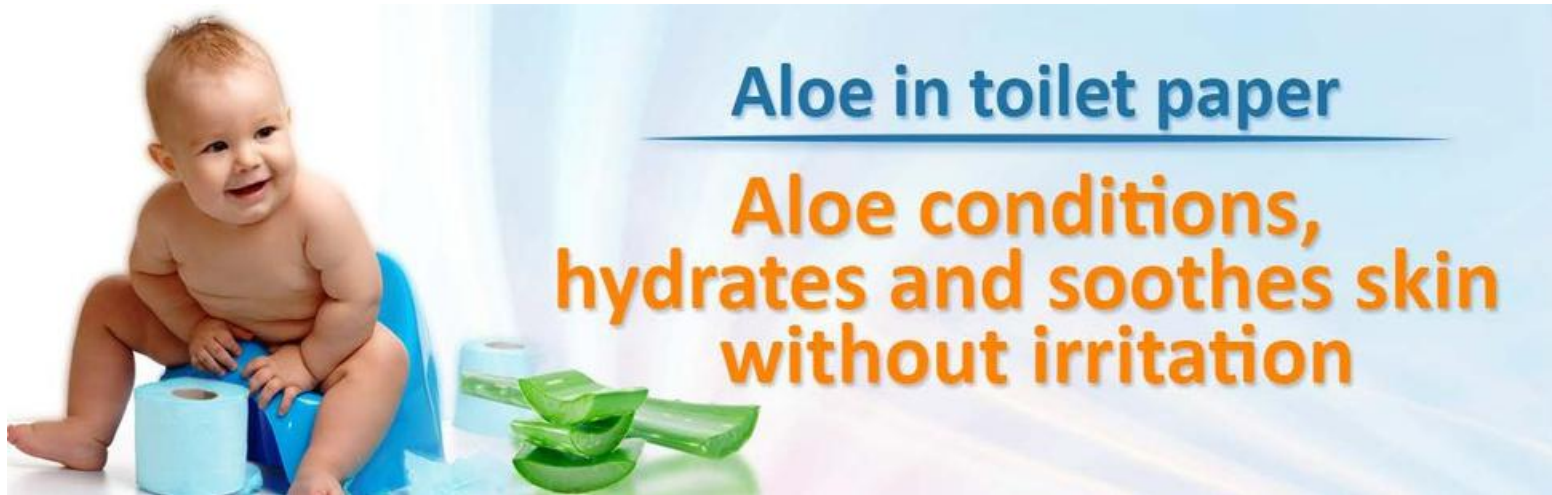
Bioactive Constituents of Aloe Vera

Aloe Vera contains more than 75 substances that work together to support internal and external health, AMB Wellness ensures the highest levels of these bioactives in all of the ingredients.

Aloe Vera provides a wealth of advantages ranging from softness for your facial tissues portfolio, add value for this increasing market with this natural ingredient, bringing a differentiation concept in benefit of your customers and become a leader in the market.



Improve your products with our Aloe Vera ingredients and add value and functional benefits to your tissue paper products



Aloe a Trending Ingredient

Aloe is having a renaissance in nearly every category. It continues to appear in skin care and has crossed all beauty categories, including toilet and body care, hair care, and antiperspirant/deodorant. It has also migrated into paper products, laundry, and hair care.

Cleansing household and personal care products have been used for numerous years. In recent years, however, consumers have begun demanding more out of household and personal care products. For example, a new trend has emerged in the consumer market where consumers are expressing a growing demand for "natural" products.



These consumers are willing to pay a premium for these natural compounds but finding natural compounds that are safe, efficacious and stable presents a problem. Additionally, consumers want products that perform more tasks, such as cleaning or disinfecting, better or more efficiently.

In the evolution of tissue paper, what they contain has become just as important as how they feel.

Tissue products must offer something that speaks to the consumers' particular lifestyles, values and needs. For example, consumers embracing a healthier lifestyle are looking for household paper products to satisfy needs ranging from anti-viral and anti-bacterial properties to sensitive skin issues. Offer to your consumer paper products with these value-added benefits are adding a new dimension to the category that drives shopper loyalty.

The skin is a natural barrier to the penetration of many foreign substances. At times, the natural ability of the skin to protect itself may be compromised by external factors including abrasions, irritants, and the like. Attempts have been made to promote skin health through the use of various products containing additives, or by developing synthetic or naturally occurring polymers that mimic or complement the properties of skin in order to maintain skin health.



Aloe in toilet paper

Natural trend and efficacy plays an increasingly important role in a product's success



Traditional lotion compositions for use on tissue paper are manufactured by mixing a surfactant or emulsifier, there is a need for the preparation of a universal emulsion premix or concentrate to which the various additives corresponding to the desired properties could be added.

There is a need for a way to prepare such an emulsion combining all or most of the above benefits to a so far unachieved level.

Paper products treated on two surfaces with a liquid resistant composition are disclosed. The paper products can be, for instance, toilet tissues, facial tissues, paper towels, and industrial wipers. The liquid resistant compositions can include any additive that provides benefits to the product. For instance, the liquid resistant composition can be a softener containing a hydrophobic additive with Aloe Vera.



Aloe infused tissue products that are more beneficial for skin.



Apply Aloe Vera juice in aqueous phase instead of water, and additive suitable water resistant. Such additives can include, for instance, a softener, a lotion, a skin-conditioning agent, a sunscreen agent, an anti-acne agent, an anti-microbial agent, a cosmetic astringent, an emollient, and mixtures thereof.

In one embodiment, the hydrophobic agent can be selected from surface sizing agents known to those skilled in the art.



Aloe in facial tissues

Aloe Vera contains an additional anti-inflammatory agent

These sizing agents are added to the tissue to primarily enhance the hydrophobic properties of the tissue sheet. In another particular embodiment, for instance, the water resistant chemical additive is a hydrophobic softener. In particular, the hydrophobic softener can be a silicone, such as a polymerized siloxanes or polysiloxanes. Polysiloxanes are used primarily as softeners and anti-friction agents.

The paper product can be any suitable tissue product, such as a paper towel, a wiper, a toilet tissue, a facial tissue and the like. Aloe is applicable to any paper sheet, as well suited for use in conjunction with paper tissue and towel products. Paper tissue and towel products as used herein



Improve the feel of tissue products and create new sensory effects with Aloe and silicones, silicone-based softeners also go one step further.

When deposited on paper fibers, Aloe Vera composition with silicone polymers display very good spreading characteristics and outstanding lubricating properties.

Softness is an important hallmark of quality tissue and is developing into a fundamental benchmark used by manufacturers for product differentiation.

These benefits are due to the high degree of flexibility in the Si-O-Si chain as well as the low surface tension of the silicone polymers. Anchored on the surface of the paper fibers are silicone molecules that protrude quite far and easily bend when you run your hand over them.

As a result, the skin detects very little resistance. By reducing the friction between paper and skin, these silicone molecules create a sensation of softness.

The unique structure of the softeners and their orientation on cellulose fibers produce a premium feel. Only silicones can produce this unique sensation—known as the “silicone touch”—no other softener has yet achieved this level of performance, and the Natural plus in product adding Aloe Vera.



Aloe in toilet paper

Aloe Vera is well known for its healing properties

Cleansing Composition

Tissue paper may be impregnated with a liquid or semi-liquid composition, intended to both facilitate cleaning and to deposit a skin benefit agent onto the skin.

In most of its embodiments, the cleansing composition of the present invention comprises, 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.

Absorbent tissue products such as facial tissue and toilet tissue 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.

Make an important product differentiation!





Aloe in facial tissues

Aloe Vera has a property to avoid or reduce irritation

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. Which 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

Add Aloe Vera to your facial tissues



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.



Aloe in facial tissues

Choose Aloe Vera in your formulas to make a more comfortable and soothing effect

Facial tissues



The irritation, inflammation and the redness can have several causes. A prime one is, of course, the sheer necessity of frequently blowing the nose into a tissue or cloth and wiping nasal discharge from the nose and the area surrounding it. Mainly used during frequent nose-blowing, the skin can become so abraded as to appear red and be sore to the touch.

The degree of irritation and inflammation caused by blowing and wiping is strongly related to the surface roughness of the implement used. The degree of

irritation and inflammation is also strongly related to the number of times the nose and its surrounding areas must be contacted with an implement; the use of an implement which is relatively weak or relatively non absorbent will require a greater number of contacts with the face, Aloe Vera has a property to avoid or reduce irritation.

Aloe Vera applied at the tissues surface mixed with an anti-viral organic acid, topical delivery system: polyesters which allow incorporation of the organic acids into the lotion formulation, surfactant, an irritation inhibiting agents and other additives as Vitamin E, chamomile or menthol.

Choose Aloe Vera in your formulas to make a more comfortable and soothing effect, enhance softness and/or reduce skin irritation and redness.

Facial tissues belong to a class of paper products used extensively for personal hygiene in modern society. Other products of this type include paper towels, napkins, and sanitary (or toilet) tissue. These products are designed to be highly absorbent, soft, and flexible. These pleasant tactile properties are especially important for facial and toiletoom tissues, considering their use.

Aloe in toilet paper

Be natural;
be green with your tissues,
adding Aloe Vera

Facial tissues

To optimize pleasant skin feel, tissues have been developed with softening agents or lotion-type ingredients to reduce any chafing effect on delicate parts of the body.

Tissue softness is a tactile perception characterized by the sheet's physical properties, such as flexibility or stiffness, texture, and frictional properties. Softness can be increased by adding agents that interfere with the way the fibers within the tissue interact, making them less closely bonded to each other. These are known as debonding agents. However, these materials tend to decrease the tensile strength of the fabric and may irritate skin on contact.

Enhanced softness can also be achieved by coating the fabric with oily materials. However, this limits the amount of moisture the tissue can absorb. In fact, the coating can also make the fabric so hydrophobic (water hating) that it can not be processed properly in sewage plants.

Another problem is that some coating materials may decrease the strength of the fabric to the point where the tissue is not usable.

To overcome this problem, fabric strength may be increased by adding certain resins or by mechanical processes which ensure the fibers bond together better. However, increasing strength tends to make the fabric stiffer and harsher to the touch. Rising to these challenges, tissue manufacturers have designed methods that successfully balance softness with absorbency and strength to create a product that consumers find acceptable.



Add Aloe Vera moisturizing ingredients for a better skin



Makeup remover tissue



The increasing use of cosmetics at this time meant that there was a growing need for make up remover products. Many women found that tissues pads were particularly useful for the removal of eye make up, and that using a disposable cleansing tissue was a cleaner, healthier alternative to using a towel. Useful to struggle to remove stubborn make up stains. Add Aloe composition to avoid irritation when tissue remove make up

Aloe helps to give the woman's face, softer and silkier than ever before. This makes them smooth and soft on the face, and gentle enough to remove make up.

Toilet tissue paper

Toilet tissue products share a common need, specifically to be soft to the touch. The purpose of being soft is so that these products can be used to cleanse the skin without being irritating; effectively cleansing the skin is a persistent personal hygiene problem for many people.

Toilet Tissue has a challenge to stop cleaning before the skin is completely cleansed. Such behavior is prompted by the harshness of the tissue, as continued rubbing with a harsh product can abrade the sensitive skin and cause severe pain. For this purpose add a lotion with Aloe Vera to your toilet tissue product, making soft tissue and toweling products.





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.



Other Aloe Vera applications in tissue paper:

Breast pads , bed linen, hand towels, table napkin, bedding underlay, breast pads (disposable) , mesh / net pants, breast wipes, paper towels/ tissues/ napkins/ rags , tissue paper / handkerchief, toilet paper /(toiletroom) tissue (sheets/rolls), cotton buds , cotton pads , sanitary pads , facial tissue / cleansing tissue

**Improve your toilet tissue product with Aloe from AMB Wellness
and enhance softness and reduce irritation**