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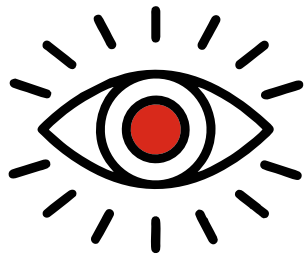
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EMBRACE THE  
GENTLE TOUCH  
OF NATURE





## VISION



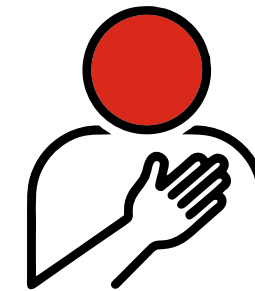
To be the most compelling, trustworthy and best in class quality partner for supplying the sustainable fabric for the global ecosystem, creating an environment which cares

## MISSION



To revolutionise the non woven industry by producing and catering the most sustainable fabric for versatile usage. From hygiene to geo care and creating a premium social value 'care' with its remarkable innovative technology, benchmarking the excellence

## CORE VALUES



- ✓ Innovation
- ✓ Ethics
- ✓ Integrity
- ✓ Responsibility
- ✓ Respect
- ✓ Trustworthy Relations

**S U P** *Driven by Fiber.* **DEFINED BY QUALITY.**

# ALOE VERA

## ALL About PAN TEX'S ALOE NONWOVENS

Aloe Vera, known as the “Sanjeevani” plant, has transformative properties even when integrated into non-woven materials used in hygiene products. This natural ingredient is renowned for its soothing and healing qualities, offering moisture and protection to sensitive skin.

- This botanical extract helps reduce irritation, treat rashes and enhance overall comfort. Aloe Vera is not only gentle on the skin but also acts as a natural barrier against the irritants found in urine and feces, making it ideal for baby care products.
- In feminine hygiene products, Aloe Vera adds a layer of comfort and absorption, catering to women's needs for discreet and effective care.
- The integration of Aloe Vera in non-wovens underscores its versatility and the increasing demand for natural, high-performance materials in everyday products.
- As the non-woven industry evolves, Aloe Vera's role in enhancing product functionality and user comfort becomes ever more significant.
- Aloe Vera's compatibility with various materials and ability to provide therapeutic benefits make it a valuable addition to any formulation, ensuring products that are not only functional but also kind to the skin.



Nonwovens that **SOOTHE**





## PANTEX ALOE NONWOVEN TREATS RASH

Aloe Vera helps with rash 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 drying. Aloe in feminine hygiene pads & diapers 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 IN NON WOVEN APPLICATIONS

Packed with beneficial nutrients, Aloe is key for a variety of non woven applications. In fact, the soothing properties of Aloe are particularly helpful during the use of diaper or 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 has compatibility with anionic, amphoteric, and nonionic surfactants and typical emollients or skin actives is excellent

- Baby diapers
- Feminine hygiene Pads
- Incontinence products for adults

## Baby Diapers

The primary contributors to the development of diaper rash have long been thought to be infant urine and feces. For example, infants under two months of age can urinate up to 20 times per day. Thereafter, infants can urinate up to 8 times a day. In addition, infant defecation typically occurs several times a day. Diapered skin is normally cleansed several times a day utilize solutions containing surfactants decreasing the barrier function. Prevent or reduce irritation adding Aloe Vera with Vitamin E or formula with petrolatum or surfactants and oxide zinc Create the gentlest formulation with Aloe Vera in baby diapers, Aloe Vera moisturizes and reduces the detrimental irritation and rash Aloe Vera is a natural and versatile ingredient to promote successful products through natural products and materials

One of the main interest of Diapers manufacturers that want to improve the health of the baby's skin and to prevent diaper rash, is using Aloe Vera gel as a barrier and prevents sticking to affected area, feels smoother and fresh the baby's skin and comfortable, Aloe is gentle with the baby's tender skin Aloe Vera helps to prevent irritation, reducing the immediate skin reaction, relieving the discomfort and preventing secondary infection and other complications. However, merely keeping the area clean and dry does not protect the irritated skin from the chemical irritation associated with the by-products of infant urine and feces.

Aloe contributes to your formula with pH between 4.0 to 5.0 which helps to neutralize acidity of urine and fecal matter One of the most common skin problems with infants relates to diaper rash, also known as diaper dermatitis. One study conducted with infants less than two years of age concluded that almost two-thirds of all infants suffer from diaper rash of some degree. Approximately 10% of all infants can have their diaper rash classified as being moderate, with another 5% of the infants having diaper rash which could be classified as severe.

Hence formulate your top sheet non-woven application contains Aloe Vera and emollient to reduce irritation due friction of the skin with diaper or feminine hygiene pads by movement during day, and improves skin softness; Aloe Vera provides the desired therapeutic benefits. Combine your innovative design, top absorbance levels with skin friendliness of Aloe Vera

Nonwovens that think **AHEAD**



## FEMININE HYGIENE PRODUCTS

In the feminine hygiene category, products are becoming more and more technologically advanced. 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 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 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 perfumed 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 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 product line for becoming market leader in feminine care- sanitary napkins & panty liners

## THE SUPERPOWER OF CHAMOMILE: DISCOVERING THE SKIN BENEFITS OF THIS MIRACLE INGREDIENT

The powerful ingredient chamomile has been used for centuries in skincare and medicine. It is popular in skincare products due to its anti-inflammatory, antioxidant, and antimicrobial properties. Chamomile can benefit all skin types. Chamomile can help to soothe and hydrate your skin, reduce acne, and brighten your skin

The plant, which belongs to the daisy family, is known for its calming properties and is frequently used to promote relaxation and stress reduction. Chamomile, on the other hand, is a potent anti-inflammatory agent that can help reduce redness, inflammation, and irritation on the skin. Here are some of the ways chamomile can be used to treat common skin problems



*Crafted to* **OUTPERFORM**





# SOOTHING AND ANTI-INFLAMMATORY PROPERTIES OF CHAMOMILE EXTRACT

The soothing and anti-inflammatory qualities of chamomile extract make it a popular ingredient in many skincare products. Here are some of the ways in which chamomile extract can benefit the skin:

REDUCES INFLAMMATION:	Chamomile extract contains flavonoids, which have potent anti-inflammatory properties. These compounds can help to reduce skin redness and swelling, making them an effective ingredient for those who have sensitive or irritated skin.
CALMS IRRITATION:	Chamomile extract is renowned for its capacity to soothe and calm irritated skin. It's a great ingredient for people who have eczema or rosacea because it can ease burning, stinging, and itching sensations.
SKIN HYDRATION:	Chamomile extract contains natural oils that can help to hydrate and nourish the skin. This can help the skin look more radiant, soft, and supple while also enhancing the texture of the skin.
REDUCES INFLAMMATION:	Studies have shown that chamomile extract helps wounds and other skin injuries heal faster. It can help to reduce inflammation and promote cell regeneration, which can speed up the healing process and minimise scarring.

Chamomile is a versatile ingredient that can help with a wide range of skin issues, including dry, ageing, and hyperpigmented skin. Here are some of the ways chamomile can help these skin types:

SKIN HYDRATION:	Chamomile is a great ingredient for people with dry or dehydrated skin because it contains natural oils that can hydrate and nourish the skin. It can aid in enhancing the texture and general appearance of the skin, leaving it to appear soft, supple, and radiant.
ANTI-AGING ADVANTAGES:	Chamomile contains a high concentration of antioxidants, which can help to shield the skin from environmental stressors and delay the onset of ageing. It is an excellent ingredient for people with mature skin because it can lessen the appearance of fine lines, wrinkles, and other ageing signs.
REDUCES HYPERPIGMENTATION:	Chamomile is an effective ingredient for people with hyperpigmented skin because research has shown that it has skin-lightening properties. It can help to reduce the appearance of dark spots and uneven skin tone, leaving the skin looking brighter and more even.
CALMS IRRITATED SKIN:	Chamomile is renowned for its ability to soothe and calm irritated skin. This can help lessen the itching, burning, and stinging sensations for people with sensitive skin, who may find it particularly helpful.



*Beyond fabrics,* **BEYOND LIMITS**



# OLIVE OIL FOR *skin*

Olive oil is a potent moisturizer due to its rich content of natural fatty acids and squalene, which mimic the skin's natural sebum. It helps to lock in moisture by forming a protective barrier over the skin, preventing dryness and keeping the skin supple.

Olive oil is loaded with antioxidants, primarily vitamin E, polyphenols, and phytosterols. These antioxidants combat oxidative stress caused by environmental pollutants and UV radiation, which can accelerate skin aging and lead to skin diseases.

Regular application of olive oil can improve skin elasticity and its repair mechanism due to its nutritive benefits, leading to healthier, more vibrant skin.

Oleocanthal, a compound found in olive oil, has natural anti-inflammatory properties, similar to ibuprofen, which can help reduce inflammation and redness in the skin, beneficial for conditions like eczema and psoriasis.

The oil's rich antioxidant content helps in reducing oxidative damage that leads to fine lines and wrinkles, promoting smoother, youthful-looking skin.

Olive oil has been shown to facilitate the healing process of the skin, which makes it a good natural remedy for skin wounds and burns, enhancing skin regeneration.

It can dissolve water-resistant substances in makeup, effectively removing them without irritating the skin, unlike some harsher chemicals found in conventional makeup removers.

Moisturizes Skin



Antioxidant Protection



Enhances Skin Health



Anti-inflammatory



Anti-aging Properties



Improves Skin Repair



Natural Makeup Remover



*benefit*

*description*

Moisturizes Skin

Olive oil contains squalene, a natural emollient that is great for softer, more nourished skin.

Antioxidant Protection

Rich in antioxidants like vitamins E and K, it helps protect the skin from oxidative damage.

Enhances Skin Health

Its nutrients help improve skin elasticity and its repair process.

Anti-inflammatory

Contains oleocanthal, which has anti-inflammatory properties to help reduce skin redness and irritation.

Anti-aging Properties

The oil can help smooth wrinkles and fine lines by promoting collagen synthesis.

Improves Skin Repair

Olive oil promotes healing in the skin, making it beneficial for treating abrasions or sunburn.

Natural Makeup Remover

It is effective in removing makeup gently without drying the skin.





# VITAMIN E FOR *skin*



Antioxidant Protection



Vitamin E is one of the most powerful antioxidants, which helps in reducing free radical damage and protect the skin from environmental stressors like pollution and UV exposure that can lead to premature aging.

Moisturizing Properties



Vitamin E is an excellent hydrator that helps in maintaining skin's oil balance. It enhances the skin's moisture retention capacity, making it soft and smooth.

Wound Healing



There is evidence to suggest that Vitamin E supports cell function and skin health. It is beneficial in reducing inflammation and in the enhancement of the wound healing process.

Anti-Aging Effects



Vitamin E promotes the restoration of the skin elasticity and firmness by supporting collagen production, which reduces the appearance of fine lines and wrinkles.

Skin Barrier Enhancement



It strengthens the skin's natural barrier, reducing water loss and bolstering the skin's defense against external pollutants and toxins.

Soothing Effects



Due to its anti-inflammatory properties, Vitamin E can alleviate the effects of skin irritation and itching, making it beneficial for sensitive skin types.

Sunburn Prevention



It can also help reduce the skin's burn response to UV light, protecting the skin from sunburn's oxidative damage.

*benefit*

*description*

Antioxidant Protection

Vitamin E helps neutralize harmful free radicals and protect the skin from damage due to UV exposure.

Moisturizing Properties

It helps maintain skin's natural moisture content, making it softer and smoother.

Wound Healing

Vitamin E may help speed up the cellular regeneration process, aiding in the healing of skin wounds.

Anti-Aging Effects

It can reduce the appearance of aging by fighting the breakdown of collagen and reducing fine lines.

Skin Barrier Enhancement

Strengthens the skin's barrier function, reducing moisture loss and protecting against environmental damage.

Soothing Effects

Helps soothe inflammation and can calm irritated skin.

Sunburn Prevention

Vitamin E can alleviate the severity of sunburns by reducing inflammation and skin damage.

