

MediSAF™



Technical Absorbents (TAL) is part of Bluestar Fibres Company Limited, a subsidiary company of China National BlueStar (Group) Company Limited, who are wholly-owned by ChemChina. Since inception in 1993, TAL has endeavoured to offer a truly world-class level of innovation, development and supply of super absorbent products, precisely tailored to meet its customers' requirements.



Unsurpassed levels of service and support, coupled with continual investment in its core technology, have helped take the company to the forefront of the super absorbents industry. This has been recognised externally with ISO 9001:2008 Quality Management System, ISO 14001:2004 Environmental Management System and BS OHSAS 18001:2007 Occupational Health and Safety Management System accreditations. It is also a winner of the UK Queen's Award for Export.



Local Agent

Optimum wound  
care technology

Technical Absorbents provides extremely high levels of innovation and product development expertise to the advanced wound care market with its Super Absorbent Fibre (SAF™) technology.

The basic functionality of SAF™ is its ability to absorb up to 200 times its own weight in water, and 60 times its own weight in saline, at an extremely fast absorption rate. Being fibre-based, SAF™ can be precisely tailored into a diverse range of medical fabric formats that offer the potential for enhanced design and performance.

MediSAF™ is aimed specifically at the medical market, and is the basis for soft, flexible wound care dressings, which absorb and retain wound exudates – creating the optimum environment to aid the healing process and prevent further bacterial growth.

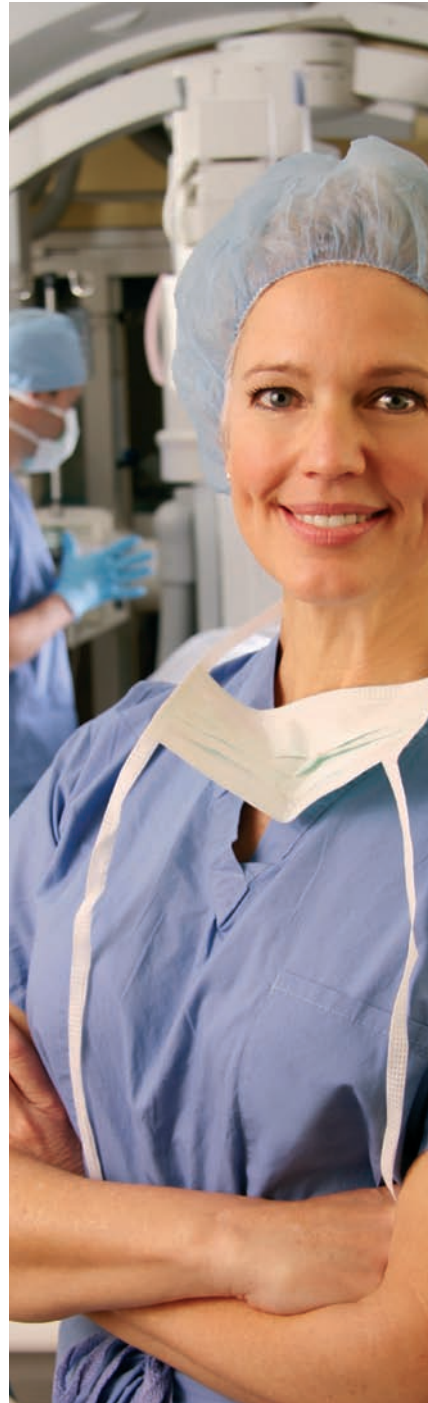
MediSAF™ really is the essential basis for true absorbent media innovation within the medical sector. As such products are mainly fibrous based, it enables it to be integrated exceptionally well throughout the final product, resulting in excellent conversion, minimum wastage and consistent performance.



## What is SAF™?

SAF™ is an extremely effective and versatile super absorbent technology. It is available in different grades for various markets and applications, and has been developed to provide rapid rates of saline and water uptake.

As a fibrous super absorbent, it allows for ease of downstream handling and processing. This gives rise to exceptionally substantive and even super absorbent distribution profiles within final fabric construction. As such, medical fabrics incorporating this technology offer truly unparalleled levels of consistent absorption performance and media integrity and negate the need for costly containment systems.



## Advantages of MediSAF™

- Easy to integrate within the final product
- Gives rise to exceptionally substantive and even distribution profiles
- Non-irritant
- Extensively tested as safe-for-use
- Allows precise tailoring of fluid management performance needs.

## Applications:

### Wound care

MediSAF™-based medical fabrics have been extensively developed for use in advanced moist wound care dressings. Such products provide a therapeutic effect and aid healing, especially when used in the treatment of wounds with high exudates, e.g. chronic wounds and burns.

Moist wound care dressings are designed to present correct moisture conditions around the wound, but not result in actual wetting. The integration of a MediSAF™-based fabric, results in the rapid uptake and retention of exudates from the infected area. This is essential in creating an optimum environment to aid the healing process, and prevent further bacterial growth.

Selecting MediSAF™ as the absorption component affords significant benefits to medical device producers, patients and carers. Its fibrous form creates lightweight, soft and flexible fabrics. These offer precise absorbency control, fluid retention and porosity, with low dust and shedding performance. Enhanced absorption and retention levels also mean dressings need changing less frequently. This reduces time pressures on clinicians and helps enhance patient comfort.

MediSAF™-based medical fabrics are available in a wide range of formats and can also provide different levels of anti-microbial and anti-inflammatory performance.

MediSAF™ can also be used in other medical-related products such as disposable mats for used in operating theatres. It can also be incorporated into diagnostic transportation solutions, such as packaging for medical testing kits and blood, and bodily-fluid testing materials. Thus ensuring and potentially spilled fluid is locked away within the fabric for safe disposal.

