

STARSIL®

HEMOSTAT

ULTRA-HYDROPHILIC ABSORBABLE
POLYSACCHARIDE TECHNOLOGY



2 in 1

**EFFECTIVE BLEEDING CONTROL
RELIABLE ADHESION PREVENTION**

PLANT BASED - 100% ABSORBABLE - BIOCOMPATIBLE - READY TO USE - MADE IN GERMANY



EFFECTIVE BLEEDING CONTROL RELIABLE ADHESION PREVENTION

2 in 1

STARSIL HEMOSTAT® is a CE-marked class 3 medical device that can be used to achieve rapid hemostasis for profuse and diffuse bleedings as well as reliable adhesion prevention — even in difficult to reach regions.

SAFE AND BIOCOMPATIBLE

Unlike many other surgical hemostats or adhesion prevention products STARSIL HEMOSTAT® is absorbed without residues within 2 to 3 days through endogenous amylase, preventing foreign body reactions or granuloma formation and once fully irrigated, will not swell post operatively.

ACTS FAST AND IS EASY TO USE

STARSIL HEMOSTAT® is ready to use and can be stored in the OR without refrigeration. After removal of the cap the STARSIL HEMOSTAT® particles can be immediately used without assembly or preparation. It can be easily applied to large areas or difficult to reach regions. There is no risk of overdosage.

BLEEDING CONTROL AND HEMOSTASIS

On contact the ultra hygroscopic STARSIL HEMOSTAT® particles rapidly absorb fluid from the blood. The process leads to a local concentration of corpuscular blood particles such as erythrocytes, thrombocytes as well as serum proteins and thrombin, accelerating the natural coagulation cascade. It forms a dense gel matrix that seals the wound and further blood flow from the wound is inhibited.

STARSIL HEMOSTAT® is not affected by the patients clotting status, therefore it is also suitable for patients under anticoagulation therapy.

ADHESION PREVENTION BARRIER

Unlike many other anti-adhesive products STARSIL HEMOSTAT® is easy to administrate both during open and laproscopic surgery. The STARSIL HEMOSTAT® powder is simply generously applied on the mesothelial defect or tissue that needs protection subsequently moistened with sterile saline solution. The polysaccharide particles absorb the fluid and form a dense gelatinous barrier preventing the contact with other tissue during the critical postoperative healing phase.

DUAL USE STRATEGY

The use of STARSIL HEMOSTAT® as topical hemostat provides atraumatic bleeding control and can minimize the use of electrocautery limiting thermal injury to the tissue.

When complete hemostasis is achieved a second application of STARSIL HEMOSTAT® is used to form a gelatinous adhesion prevention barrier covering the whole affected tissue before closure.

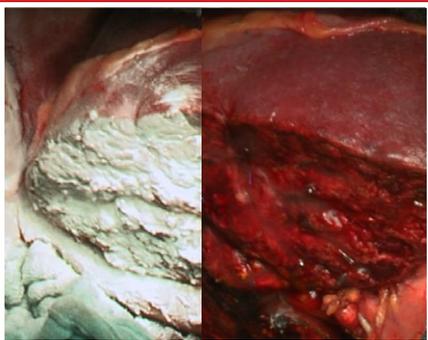
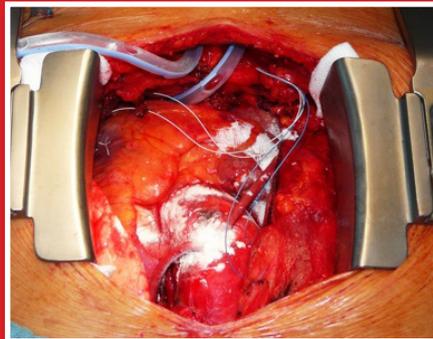


EVERY DAY SURGEONS AND PHYSICIANS FROM ALL DISCIPLINES RELY ON STARSIL HEMOSTAT® FOR ADHESION PREVENTION OR FAST AND SAFE HEMOSTASIS



STARSIL HEMOSTAT® is suitable for almost all surgical procedures and wounds. In these medical fields it is widely used in ORs all over the world:

- GENERAL SURGERY
- CARDIAC SURGERY
- ORTHOPEDICS AND TRAUMA SURGERY
- SPINAL SURGERY
- PLASTIC SURGERY
- GYNECOLOGY AND CAESAREAN SECTION
- ENT SURGERY
- VISCERAL AND TRANSPLANTATION SURGERY
- VASCULAR AND CARDIOTHORACIC SURGERY
- NEUROSURGERY
- TUMOR SURGERY
- BREAST SURGERY
- ORAL AND MAXILLOFACIAL SURGERY
- MINIMAL AND ROBOT-ASSISTED SURGERY



APPLICATION TECHNIQUE

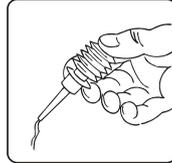
STARSIL HEMOSTAT® can be stored in the OR at room temperature and doesn't need preparation or assembling. Break and remove the cap and **STARSIL HEMOSTAT®** is ready to use.

HEMOSTASIS

Remove any blood from the source of bleeding by soaking it up with a dry compress, i.e. dry the wound. Continue immediately with the next step.



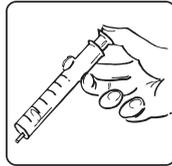
Apply a generous amount of **STARSIL HEMOSTAT®** powder to the source of bleeding. There is no risk of overdosage.



Apply moderate compression to the source of bleeding for 2 - 3 minutes using a dry compress.



Moisten the compress with sterile saline solution before removal and remove it carefully. Once bleeding has stopped, deactivate any excess powder by rinsing.



Please read the Instructions for Use (IFU) for detailed information about the usage of **STARSIL HEMOSTAT®**, indications and contraindications.

ADHESION PREVENTION

To achieve the best results first remove any excess blood from the area of use by suctioning, wiping or dabbing.

Generously apply **STARSIL HEMOSTAT®** powder to the entire mesothelial defect and wound surfaces. **STARSIL HEMOSTAT®** powder administered to non-traumatized mesothelial surfaces has no negative effects.

Moisten all **STARSIL HEMOSTAT®** powder with sterile saline solution or sterile water until the powder is completely converted into a gel covering the whole affected surface.

The UniTip spray applicators provide accurate delivery of the **STARSIL HEMOSTAT®** powder into distant or difficult to reach regions. The spray opening of the UniTip (14cm), UniTip XL (38cm) applicators are in front of the tip. With the new UniTip XL Flex (38cm) applicator, the opening is located on the side of the applicator tip, which enables an even more precise spreading of the powder.



| Order no. | Product | Sales unit |
|-----------|--|------------|
| SS 001 | STARSIL HEMOSTAT® 1g | 5 pcs. |
| SS 002 | STARSIL HEMOSTAT® 2g | 5 pcs. |
| SS 003 | STARSIL HEMOSTAT® 3g | 5 pcs. |
| SS 005 | STARSIL HEMOSTAT® 5g | 5 pcs. |
| UT 0014 | UniTip Applicator 14 cm | 10 pcs. |
| UT 0038 | UniTip XL Laparoscopic Applicator 38 cm | 10 pcs. |
| UT F038 | UniTip XL Flex Laparoscopic Applicator 38 cm | 10 pcs. |

DISTRIBUTED BY:

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