

SURGICEL™ Powder
Absorbable Haemostat

Presenting SURGICEL™ Powder

Built to stop continuous,
broad-surface oozing*—fast**,#,1-4



*Continuous oozing defined as bleeding that will not stop with compression / simple packing

**TTH study of surgicel powder show average time to haemostasis of 30 seconds

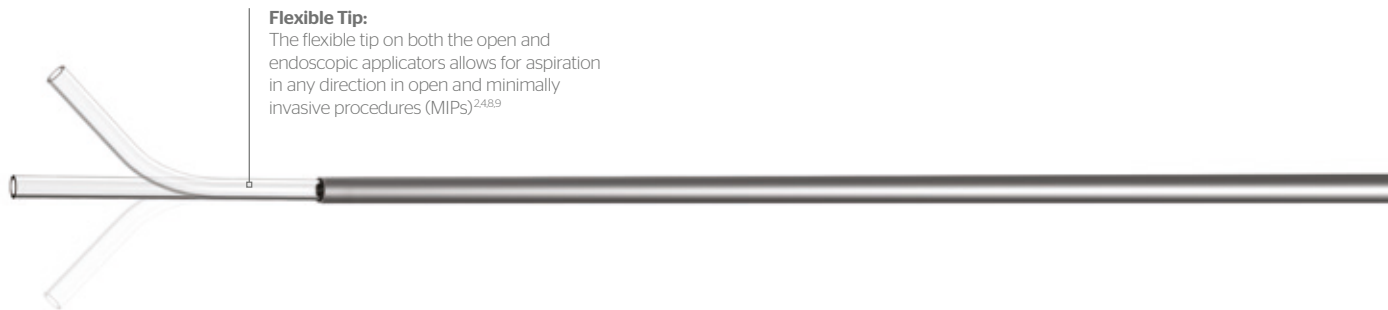
is ready to use out of the package with no preparation required

ETHICON

The next generation of SURGICEL™ Absorbable Haemostats

SURGICEL™ Powder Absorbable Haemostat provides effective control of continuous oozing on broad surfaces^{2,5 *}

- Ready to use out of the package, with no preparation required³
- Penetrates through the blood quickly to stop bleeding right at the source, effectively achieving haemostasis in a wet field^{6,7}
- After haemostasis has been achieved, the bleeding site will not rebleed even if SURGICEL™ Powder is irrigated^{7 **}



Flexible Tip:

The flexible tip on both the open and endoscopic applicators allows for aspiration in any direction in open and minimally invasive procedures (MIPs)^{2,4,8,9}

Get to the source of the bleed

The structure of the powder allows it to penetrate the surface of the blood to get to the source of bleeding^{6,16}

1 SURGICEL™ Powder Absorbable Haemostat provides effective control of continuous oozing on broad surfaces^{2,5*}

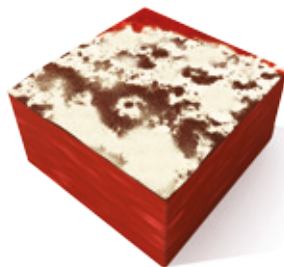


SURGICEL™ Powder is an aggregate of small oxidized regenerated cellulose (ORC) fiber fragments^{2,3}

2 Blood saturates the material, providing a surface for platelet adhesion and aggregation, working with the patient's endogenous clotting factors to initiate clot formation¹⁰



3 Built to stop continuous, broad surface oozing*—fast**.#, 1-4



4 Forms a durable clot that won't wash away or rebleed when irrigated^{7†}

[†]based on pre clinical animal study



Rigid Tip:
The rigid component of the endoscopic applicator is designed for one-handed application and enables easy access in MIPs^{4,8}

Efficient Aspiration:
Provides precise control of delivery during application, minimising product waste¹¹



Indication:

SURGICEL Powder (oxidized regenerated cellulose) contains an aggregate of ORC fibre fragments intended to help control capillary, venous and small arterial haemorrhages or other conventional methods of control are impractical or ineffective.^{2,3}

*Continuous oozing defined as bleeding that will not stop with compression / simple packing

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#is ready to use out of the package with no preparation required

Everything you've come to expect from the SURGICEL™ Family of Absorbable Haemostats

- Proven bactericidal in vitro against a broad range of gram-positive and gram-negative organisms, including various antibiotic-resistant bacteria (*MRSA*, *VRE*, *PRSP* and *MRSE*)^{3,15}
- Contains an aggregate of ORC fiber fragments that help control capillary, venous, and small arterial haemorrhages^{2,3*}

Easy application across both open and laparoscopic procedures^{2,4,9,17}

- The 2-in-1 endoscopic applicator is sold separately and is composed of 2 components, the rigid tip and the flexible tip
- The rigid tip allows for one handed use and easy powder delivery in MIPs^{4,8}
- The flexible tip allows for aspiration in any direction in open and minimally invasive procedures^{2,4,8,9}



2-in-1 Endoscopic Applicator:
Sold separately and allows
for ease of use in MIPs

Built on a legacy of performance

SURGICEL™ Powder Absorbable Haemostat is an addition to the SURGICEL™ Family of Absorbable Haemostats



For illustration purposes only and may not represent an actual device specification.

Ordering Information

Code	Description	Device Specifications	Quantity (per box)
3023SP	SURGICEL Powder	3.0 grams	5 units
3133SPEA	SURGICEL Endoscopic Applicator	2-in-1 applicator	5 units

Further Information

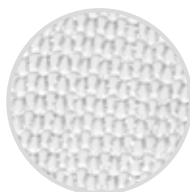
Please contact your local Ethicon representative.

SURGICEL™

Family of Absorbable Haemostats



One family. **Five products.** 50+ years.



Original



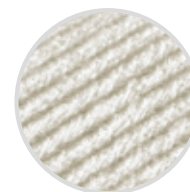
Fibrillar™



Powder



Snow™



Nu-Knit®

The SURGICEL™ Family provides a breadth of solutions for all continuous oozing bleeding situations.

Continuous oozing: Bleeding that will not stop with compression/simple packing.

The solution for this bleeding is more time consuming than it is difficult.



References: **1.** Ethicon, PSE Accession No. 15-0061, Project No. 16438, Pivotal Study Comparing Performance of SURGICEL® Powder – Absorbable Hemostatic Particles to SURGICEL® Original Absorbable Hemostat in a Swine Acute Liver Abrasion Model, August 2015, Data on File. **2.** Ethicon, PSE Accession No. 16-0006, Project No. 16438, Study Comparing Performance of SURGICEL® Powder – Absorbable Hemostatic Particles to SURGICEL® Original Absorbable Hemostat in a Swine Acute Liver Abrasion Model, March 2016, Data on File. **3.** Ethicon, SURGICEL® Powder Absorbable Hemostat, Instructions for Use, Data on File. **4.** Ethicon, K-5678 Surgicel Endoscopic Applicator Summative Usability Design Validation Surgeon and Nurse Study, December 2016, Data on File. **5.** Ethicon, Market Research on unmet need – Ethicon, Project Pixie Global Positioning Report, Dec 2014, Data on File. **6.** Ethicon, Inc. Surface energy/ tension analysis among ORC Aggregate, ORC Fine Fiber, and Arista – Project PIXIE, March 2017, Data on File. **7.** Ethicon, Inc. SURGICEL® Powder versus ARISTA™ AH. Final Report, PSE Accession No. 15-0120, Project No. 16438, September 2015, Data on File. **8.** Ethicon, Inc. SURGICEL® Endoscopic Applicator, Instructions for Use, Data on File. **9.** Ethicon, 100294016 Rev6, Design Requirements Matrix Project Pixie: SURGICEL Powder, Dec 2016, Data on File. **10.** Ethicon, Inc. SURGICEL Technical Report, 006321-131114, October 2013, Data on File. **11.** Ethicon, Inc. Expression testing- ADAPTIV Document 100293850-1, March 2012, Data on File. **12.** Dineen P. Antibacterial activity of oxidized regenerated cellulose. Surg Gynecol Obstet. 1976;142(4):481-486. **13.** Ethicon. Acceptability and Absorbability of Surgicel. 1995, Data on File. **14.** Ethicon. Acceptability and Absorbability of Surgicel and Surgicel Nu-Knit. 1993, Data on File. **15.** Ethicon, 100408840-2 ORC Powder Bactericidal Efficacy, Data on File. **16.** Ethicon, US Patent Compacted Haemostatic Cellulosic Aggregates Application 20170128618, May 11 2017, Data on File. **17.** Ethicon, VoC Summary Supporting DRM 100179522 May 2015, Data on File.

Please always refer to the Instructions for Use / Package Insert that come with the device for the most current and complete instructions.

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the future
of surgery

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