

# SurgiSeal®

TOPICAL SKIN ADHESIVE  
2-Octyl Cyanoacrylate

Superior Flexibility and  
Optimal Strength

*"SURGISEAL® closes and seals wounds nicely and allows the patient to bathe sooner post-operatively. Its permeability prevents fluid collection beneath the film, and as a barrier, it helps to eliminate post-operative infection."*

- Benjamin Schlechter, M.D.

*"Once applied, SURGISEAL rivals the best of the rest by virtue of its adhesiveness and flexibility. It's the applicator that surpasses the competition; easy, fast and most important, versatile to conform to varied wound topography."*

- Gregory Ruff, M.D.

*"From mole removal to major surgery, I find SURGISEAL helps stabilize wound edges, provide a breathable moisture barrier, and reduce erythema by isolating bacteria."*

- Denis Branson, M.D.



# SurgiSeal®

TOPICAL SKIN ADHESIVE  
2-Octyl Cyanoacrylate

SURGISEAL® Topical Skin Adhesive offers all the benefits of a traditional adhesive as well as:

**High-Strength 2-Octyl Cyanoacrylate Formulation** features a greater breaking strength and broader uses in clinical applications than existing n-butyl cyanoacrylates.<sup>1</sup>

**OctylFlex™ Technology** provides increased flexibility designed to contribute to patient comfort and helps preserve the integrity of the adhesive, preventing premature sloughing.

**Microbial Barrier and Waterproof Protection** protects patients by preventing bacteria and water from reaching the wound, reducing the chance of infection and allowing patients to shower immediately following surgery.

**Optimum Viscosity** means the formula neither runs nor clogs, resulting in the right balance of effectiveness and efficiency every time.

## To Place an Order:

E-mail: [orders@adhezion.com](mailto:orders@adhezion.com)

Fax: +1.610.373.2081

Phone: U.S. 1.866.579.4508 International +1.484.334.2929

Description	Product Code	Fill Volume (mL)	Packaging
SurgiSeal® Topical Skin Adhesive	SS-035T	0.35mL	12 applicators per box



Adhezion Biomedical, LLC, One Meridian Boulevard, Suite 1B02, Wyomissing, PA 19610, USA  
Tel: +1.484.334.2929 • +1.866.579.4508 • Fax: +1.610.373.2081  
[info@adhezion.com](mailto:info@adhezion.com) • [www.adhezion.com](http://www.adhezion.com)

Adhezion Biomedical® and SurgiSeal® are registered trademarks of Adhezion Biomedical, LLC.  
OctylFlex™ is a trademark of Adhezion Biomedical, LLC.  
©2010 Adhezion Biomedical, LLC. All rights reserved.

[1] Schwade, Nathan D. eMedicine. 2007. WebMD. 17 September 2007  
<<http://www.eMedicine.com>>.

What is most important  
when closing wounds?

Superior Flexibility  
and Optimal Strength.

[www.SurgiSeal.com](http://www.SurgiSeal.com)



Fold over the SURGISEAL® applicator at the sponge. You will hear a snap.



Hold the applicator with the sponge facing downward. No squeezing is necessary in normal application. *If you require greater flow, you may very gently squeeze.*



Bring the wound edges together using either gloved fingers or sterile forceps.



Apply in two layers, allowing 30 seconds dry time between layers.

For more information, visit [www.SurgiSeal.com](http://www.SurgiSeal.com)

## Comparing Cyanoacrylates

A comparison of 2-octyl cyanoacrylate (OCA) and n-butyl cyanoacrylate (BCA) formulations:

Property	OCA	BCA
Microbial Protection Coverage Area	✓ Greater	Moderate
Film Flexibility	✓ Higher	Moderate
Wound-Breaking Strength <sup>1,2</sup>	✓ Stronger	Strong
Heat Released	✓ Less	More
Water Resistance	Patient may shower <b>immediately</b>	May not shower for 24-48 hours <sup>3</sup>
Storage	<b>No refrigeration required</b>	Refrigeration required
Incision Length	Clinically proven to close <b>long incisions</b> <sup>4</sup>	Clinically proven to close up to 4-5cm <sup>3,5</sup>

## SURGISEAL® vs. Leading OCA Competitor

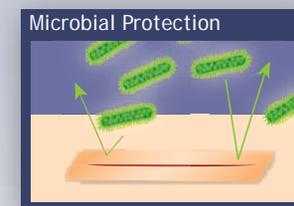
The safe, glass-free applicator eliminates potential injuries from broken glass.

Property	SURGISEAL	Leading Competitor
Tensile Strength <sup>6</sup>	✓ 14.16 ± 1.39lbs/in <sup>2</sup>	10.88 ± 1.41lbs/in <sup>2</sup>
Wound Closure <sup>6</sup> Strength	= 2.67 ± 0.93 peak lbs	2.36 ± 0.87 peak lbs
Flexibility	= High Flexibility Scores	High Flexibility Scores
Applicator Style	✓ -Glass-free applicator -Gravity feed flow	-Glass ampoule -Press to release fluid
Applicator Tip	✓ -Versatility in angles/widths -One-pass protection	-Firm, rounded tip -May need multiple strokes
Surface Area Coverage <sup>7</sup>	✓ 27.9in <sup>2</sup>	11.5in <sup>2</sup>
Moisture Vapor Transmission Rate <sup>7</sup>	✓ 2180 g/m <sup>2</sup> /day	918 g/m <sup>2</sup> /day

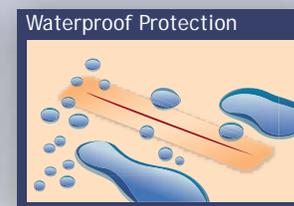
[1] Perry LC. An evaluation of acute incisional strength with traumaseal surgical tissue adhesive wound closure. Findings by: Dimensional Analysis Systems, Inc., Leonia, NJ. 1995.  
 [2] Singer AJ, et al. Comparison of wound-bursting strengths and surface characteristics of FDA-approved tissue adhesive for skin closure. J Adhes Sci Technol. 2004;18:19-27.  
 [3] HISTOACRYL [package insert]. B. Braun; 2009.  
 [4] Blondeel P, et al. Closure of long surgical incisions with a new formulation of 2-octylcyanoacrylate tissue adhesive vs. commercially available methods. Am J Surg. 2005; 188:307-13.  
 [5] INDERMIL [package insert]. Norwalk, CT: United States Surgical/Syneture; 2002.  
 [6] FDA Data on File, SURGISEAL Topical Skin Adhesive 510k Submission, 2008.  
 [7] Data on File, Adhezion Biomedical, LLC.

## Post-Operative Care

In addition to closing wounds, SURGISEAL® offers many post-operative benefits:



SURGISEAL creates a protective barrier by deflecting bacteria from entering the wound and reducing the chance of infection.



SURGISEAL is waterproof immediately after application, allowing patients to shower the same day as the procedure.



Clinical studies demonstrate positive cosmetic results for 2-octyl cyanoacrylate over sutures, eliminating "railroad track" scarring.<sup>8,9</sup>

<b>SurgiSeal</b> Topical Skin Adhesive	2180 g/m <sup>2</sup> /day
<b>Leading Competitor</b>	918 g/m <sup>2</sup> /day

SURGISEAL has more than twice the Moisture Vapor Transmission Rate of the leading competitor, facilitating wound healing.<sup>10</sup>



[8] J Rimmer, A Singh, P Banwell, PM Clarke, and P Rhys Evans, "The Use of Octyl-2-Cyanoacrylate Tissue Adhesive for Skin Closure in Head and Neck Surgery", Annals of The Royal College of Surgeons of England. 2006; 88(4): 412-413.  
 [9] Gorozpe-Calvillo JI, González-Villamil J, Santoyo-Haro S, Castañeda-Vivar JJ, "Closure of the skin with cyanoacrylate in cesarean section", Ginecol Obstet Mex. 1999 Oct;67:491-6.  
 [10] Data on File. Adhezion Biomedical, LLC.