## It's time to fight antimicrobial resistance







# 30%

of antibiotic courses prescribed in the outpatient setting are unnecessary.<sup>1</sup>

> This leads to increased antimicrobial resistance (AMR).

## By 2050, it's predicted that AMR will be responsible for

## **10 milion** annual deaths worldwide.<sup>2</sup>

<sup>2</sup> O'Neill, J. "Tackling drug-resistant infections globally: Final Report and Recommendations – The Review on Antimicrobial Resistance" May 2016

## Win with wound care

To help reduce the spread of antimicrobial resistant bacteria, there needs to be a significant decrease in antibiotic use in wound care.

While the WHO is addressing AMR with a Global Action Plan, there is a lot of room to contribute to the prevention of AMR in the wound care sector. To be truly effective against AMR, action must be taken at every level of wound care, from wound specialists to wound nurses. The European Wound Management Association recommends avoiding the unnecessary usage of antibiotics through adequate infection prevention/ management and appropriate hygiene protocols.

## Join the fight against AMR with WOUND\_ WOUND\_ Warriors

## Appropriate wound care for infection prevention and infection management can play a powerful role in the fight against AMR.

Cutimed<sup>®</sup> and Leukomed<sup>®</sup> offer an extensive range of effective products that may help to **avoid the excessive use of antibiotics** in wound care.



## Sorbact<sup>®</sup> Technology

Leukomed<sup>®</sup> Sorbact<sup>®</sup> and Cutimed<sup>®</sup> Sorbact<sup>®</sup> utilize the safe and effective Sorbact<sup>®</sup> Technology that binds bacteria with a purely physical mode of action. Sorbact<sup>®</sup> Technology removes bacteria without releasing possibly harmful endotoxins.<sup>1</sup>



<sup>1</sup> As shown *in vitro* Susilo YB, Husmark J, DACC Coated Wound Dressing and Endotoxin: Investigation on Binding Ability and Effect on Endotoxin Release from Gram-negative Bacteria. Poster presented at EWMA 2019.

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of antibiotic courses prescribed in the outpatient setting are unnecessary.<sup>1</sup>

> <sup>1</sup> Fleming-Dutra, K., et al. (2016). "Prevalence of Inappropriate Antibiotic Prescriptions Among US Ambulatory Care Visits, 2010-2011." JAMA: The Journal of the American Medical Association 315(17): 1864-1873

### Infection Management with Cutimed<sup>®</sup> Sorbact<sup>®</sup>

In a randomized, comparative, single site study of 40 patients with leg ulcers, Cutimed<sup>®</sup> Sorbact<sup>®</sup> was more effective at reducing bioburden than Aquacel<sup>®</sup> Ag.<sup>1</sup>



**Safe** Binds bacteria and fungi

#### Clinically Effective

Demonstrated ability to significantly reduce bacterial burden in critically colonized wounds<sup>1,\*</sup>

## Advanced chronic wound dressing for effective wound management with a purely physical mode of action.

#### Sorbact<sup>®</sup> hydrophobic microbe-binding technology

- Safely binds bacteria and fungi
- No known mechanism of resistance has been described

Mosti et al. Comparative study of two antimicrobial dressings in infected leg ulcers: a pilot study. J Wound Care. 2015 Mar;24(3):121-2; 124-7 \* Cutimed® Sorbact® delivered a better bacterial reduction than Aquacel Ag in chronic leg ulcers

## Stand up against AMR

with a wide range of products including Sorbact® technology for infection prevention and infection management in wound care, from Essity.

#### Cutimed<sup>®</sup> Sorbact<sup>®</sup>

Infection prevention and management for chronic wounds utilizing a purely physical mode of action

- Sorbact<sup>®</sup> hydrophobic microbe-binding technology
- No known mechanism of resistance has been described

Super absorbent dressing that also

Clinically effective

manages bacteria

#### Cutimed<sup>®</sup> Siltec<sup>®</sup> Sorbact<sup>®</sup>

Silicone foam dressing utilizing hydrophobic microbe-binding layer for excellent fluid and infection management

- Super-absorbent hot-melt stripes ensure vertical absorption of exudate reducing the risk of maceration
- Dynamic MVTR allows fluid to transpire while also maintaining a moisture balance
- Silicone layer minimizes pain with atraumatic dressing changes, and wound bed remains undisturbed

#### Cutimed<sup>®</sup> Sorbact<sup>®</sup> Hydroactive B

#### 4-in-1: Absorb. Hydrate. Debride. Sorbact®

- Hydropolymer gel matrix helps maintain a moist wound environment
- · Securely locks in exudate, even under compression
- Maintains a moist wound environment by gel formation

Cutimed<sup>®</sup> Sorbion Sorbact<sup>®</sup>

· High absorption capacity, long dressing wear time



- Stimulates autolytic debridement of fibrin and
- necrotic tissue Helps prevent maceration
- Ideal for absorption of thin exudate



#### Leukomed<sup>®</sup> Sorbact<sup>®</sup>

Surgical post-operative dressing for the reduction of bacterial colonization with a purely physical mode of action

- Sorbact<sup>®</sup> hydrophobic microbe-binding technology
- Effective SSI prevention<sup>1,3</sup>
- Adhesive film provides barrier to bacteria



#### Leukomed<sup>®</sup> Control

#### Transparent wound dressing for effective infection risk control

- Transparent, conformable film
- Adhesive film provides barrier to bacteria
- Skin-friendly adhesive
- Absorbent hydropolymer gel



1 Stanirowski J, Bizon M, Cendrowski K, et al Randomized controlled trial evaluating dialkylcarbomyl chloride impregnated dressings for the prevention of surgical site infections in adult women undergoing caesarean section. Surg Infect (Larchmt) 17(4): 427 -35

<sup>2</sup> Laboratory studies, carried out by SGS Germany GmbH on behalf of BSN Medical GmbH, 2016, data on file

<sup>3</sup> Bua N, et al. Dialkylcarbamoyl Chloride Dressings in the Prevention of Surgical Site Infections after Nonimplant Vascular Surgery. Ann Vasc Surg. 2017 Oct; 44:387-392

<sup>4</sup> Struensee B, et al. Determination of the bioburden level of spools of surgical tapes in different medical institutions. Poster presented at EWMA 2017

## Infection Prevention with Leukomed<sup>®</sup> Sorbact<sup>®</sup>

### Innovative post-operative surgical dressing with a purely physical mode of action.

- Clinically significant 65% relative risk reduction of acquiring a Surgical Site Infection (SSI) post-caesarean section<sup>1</sup>
- Up to 57% cost reduction of SSI when treating caesarean sections, using UK National Health Service (NHS) cost model<sup>2</sup>
- Effective reduction of the bacterial burden in critically colonized or locally infected wounds<sup>3,4</sup>

#### Indications

All post-operative and traumatic wounds with low to moderate exudate levels

- Surgical incisions
- Lacerations, cuts, abrasions
- Dehisced wounds
- Minor burns

#### Sorbact<sup>®</sup> hydrophobic microbe-binding technology

Safely binds bacteria from the wound No known mechanism of resistance has been described

#### Adhesive film provides barrier to bacteria

Effectively protects against external contamination
Breathable and shower-proof

- <sup>1</sup> Stanirowski J, Bizon M, Cendrowski K, et al (2016b) Randomized controlled trial evaluating dialkyl carbamoyl chloride impregnated dressings for the prevention of surgical site infections in adult women undergoing caesarean section. Surg Infect (Larchmt) 17(4): 427 -35
- <sup>2</sup> Stanirowski PJ, Davies H, McMaster J, Mealing S, Sawicki W, Cendrowski K, Posnett J. Cost-effectiveness of a bacterial-binding dressing to prevent surgical site infection following caesarean section. J Wound Care. 2019 Apr 2;28(4):222-228.
- <sup>3</sup> Cutting K, Maguire J (2015) Safe bioburden management. A clinical review of DACC technology. Journal of Wound Care Vol 24, No 5
- <sup>4</sup> Bua N, et al. Dialkylcarbamoyl Chloride Dressings in the Prevention of Surgical Site Infections after Nonimplant Vascular Surgery. Ann Vasc Surg. 2017 Oct;44:387-392



## **The Way of the Wound Warrior**

#### Become a Wound Warrior and join the fight against antimicrobial resistance

With the right tools for infection prevention and management in wound care, the unnecessary use of antibiotics may be avoidable. Through its brands, Cutimed<sup>®</sup> and Leukomed<sup>®</sup>, Essity offers a comprehensive range of wound care products that effectively prevent and manage infection with no known risk of further contributing to antimicrobial resistance.

- The purely physical mode of action of Sorbact<sup>®</sup> technology effectively reduces the bacterial load and promotes wound healing
- No known mechanism of resistance has been described
- No additional release of endotoxins

Prevent and manage infected wounds with the unique technology of Cutimed<sup>®</sup> Sorbact<sup>®</sup> and Leukomed<sup>®</sup> Sorbact<sup>®</sup>.

Join us and stand up against antimicrobial resistance. An antimicrobial stewardship initiative.

## wound warriors





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