

FOCUS PRODUCT: WORLD LEADING AERIS ACTIVE®



PRODUCT TECHNOLOGY FOR

Protection from the three vectors of infection



Bacteria
which also
transmit
viruses



Viruses
rapid
transmission
& mutation



Fungi
greater risks
than are
understood

MITIGATING RISK IN KEY INFECTION DANGER ZONES



Aged Care



Child Care



Education



Accommodation



Ships



Fitness Centres



Work Places



Transportation



Transport Hubs



High Touch Zones



Prolonged Contact Areas



Wash Rooms



Air Conditioning



Person to Person



Shared Equipment



Kitchen & Prep Areas



Serving & Dining Areas



Counters & Benchtops

AERIS ACTIVE METHODS OF ACTION



- ✓ **Hydrogen Peroxide** provides initial kill of all microorganisms including viruses, bacteria and fungi
- ✓ **Benzalkonium Chloride** supports initial kill efficiency
- ✓ **Film Forming Agents** provide ongoing protection of surfaces from microbial contamination



WATER BASED



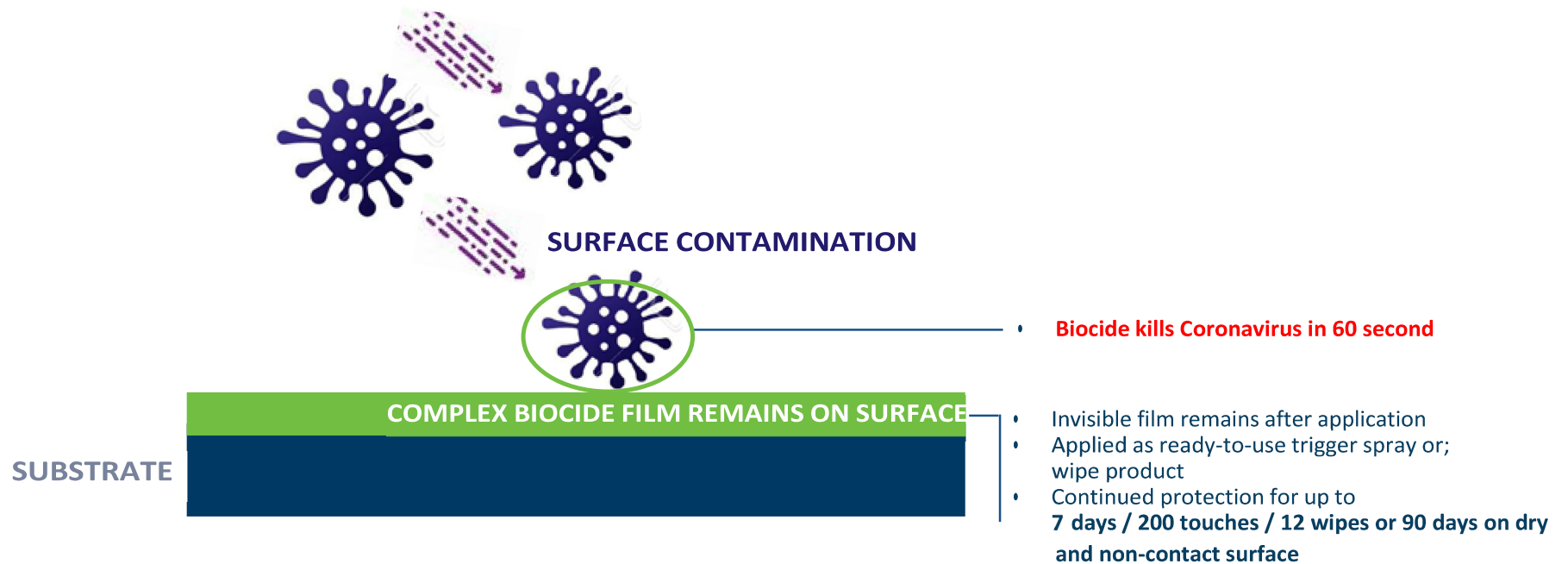
GREENEST FORMULATION POSSIBLE

RESIDUAL EFFICACY

HOW IT CONTINUES TO PROTECT

Representation of Aeris Active's protective layer in action.

Indicative magnification from polymer's actual thickness of less than 1 micron:



EXAMPLE ENVIRONMENT: FOOD PRODUCTION, PREPARATION, SERVING & STORAGE AREAS



Kitchen & prep areas



Serving & dining areas



Counters & benchtops



Tables & display units



Processing Equipment



● AERIS ACTIVE®

- Hospital grade disinfection
- Post application protection for up to 7 days / 200 touches / 12 wipes or 90 days on dry and non-contact surface
- TGA Registered
- HACCP Certified



EXAMPLE:

MARKETING SUPPORT



THIS CHILD CARE CENTRE IS PROTECTED WITH AERIS ACTIVE



AERIS ACTIVE®

- Hospital grade disinfection for up to 7 days / 200 touches / 12 wipes or 90 days on dry and non-contact surface
- TGA Registered
- HACCP Certified
- Cited by Singapore Government National Environment Agency as effective against Coronavirus

Broad-spectrum disinfectant/cleaner with outstanding residual biocidal activity:

- **Aeris Active™** helps long-term microbial control with its patented invisible protective film, ensures that your surfaces remain germ free.
- The film does not impact how the surface is used, leaving the treated surface cleaner and safer for a longer period of time.
- For direct food contact surfaces such as cutting boards & utensils, once clean & disinfected with Aeris Active, rinse with clean potable water before re-use where required.
- **Aeris Active™** is compatible with the vast majority of both natural and synthetic surfaces prone to microbial colonisation.

For further information contact Aeris Environmental to discuss Aeris Active and our wide range of other hygiene product technology.
P: 1300 000 000
E: info@aeris.com.au

Independent scientific validation proving Aeris Active's efficacy

Category	Authority	Report Identifier	Performance Notes
Regulatory approval: Commonwealth Government	Australian Register of Therapeutic Goods (TGA)	ARTG 308921	Complies with Hospital Grade Disinfectant requirements - ie. Passes Option B disinfectant test and AOAC germicidal spray test.
Food safety approval: Global certification	HACCP International	Certification number: PE-798-AEL-RC-1-02b	Certified as suitable for cleaning and sanitising food and beverage equipment.
Virucidal Independent testing (Adeno Virus)	AMS Laboratories Pty Ltd, Australia	Final report ref: 0611452/2A	Evidence of complete viral kill.
Virucidal Independent testing (Herpes Simplex Type 1 Virus)	AMS Laboratories Pty Ltd, Australia	Final report ref: 0611452/3A	Evidence of complete viral kill.
Virucidal Independent testing (Polio Virus)	AMS Laboratories Pty Ltd, Australia	Final report ref: 0611452/1A	Evidence of complete viral kill.
Virucidal Independent testing (Norovirus)	Eurofins AMS Laboratories Pty Ltd, Australia	Final report ref: AAG-2371	Evidence of complete viral kill.
Virucidal Independent testing (Influenza)	Eurofins AMS Laboratories Pty Ltd, Australia	Final report ref: AAG43293	<ul style="list-style-type: none"> Kills 99.999% of influenza viruses in 1 minute Evidence of complete viral kill in 5 minutes
Residual Bactericidal (S. Aureus, E. Coli)	Dr Amane Shiohara Ph. D	Final report ref: TRR 0385	Finger touched 200 times showed clear zone inhibition against S. Aureus and E. Coli compared to growth on control.
Bactericidal Independent testing (S. Aureus, P. Aeruginosa, Sal. Choleraesius)	Nanosonics Pty Ltd, Australia	Final report ref DP-31/06	Passed AOAC Official Method 961.02.
Bactericidal Independent testing (S. Aureus, P. Aeruginosa, E. Coli, P. Vulgaris)	AMS Laboratories Pty Ltd, Australia	Report reference: 0902777	Passed TGA Disinfectant Test, Option B under dirty conditions



AERIS ACTIVE

THE ONLY DISINFECTANT THAT HAS 200 TOUCH OR 7 DAYS ANTI-MICROBIAL PROTECTION ON DISINFECTED SURFACES

HOSPITAL GRADE HARD SURFACE DISINFECTANT CLEANER. FOR USE ON ALL HARD SURFACES

Broad-spectrum disinfectant/cleaner with outstanding residual biocidal activity

Kills, protects & removes stains

3-in-1 mould, mildew and bacteria treatment

Provides extended protection against recolonisation

Up to 7 days / 200 touches / 12 wipes or 90 days on dry and non-contact surface

Effective cleaning – leaves surfaces hygienically clean

Aeris Active

For non food preparation surfaces, leave to dry for effective bacterial protection for up to 7 days

Wipe

Rinse food contact surfaces & items such as utensils, cutting boards, cookware with potable water before re-using where required.

PRODUCT NOTES

- Always refer to the product label Instructions, SDS and IFU prior to use
- Less effective on porous surfaces

PRODUCT OVERVIEW

Aeris Active™ is compatible with the vast majority of both natural and synthetic surfaces prone to microbial colonisation.

Aeris Active™ helps long-term microbial control with its patented quat-polymer invisible protective film, ensures that your surfaces remain germ free. The film does not impact how the surface is used, leaving the treated surface cleaner and safer for a longer period of time.

For direct food contact surfaces such as cutting boards & utensils, once clean & disinfected with Aeris Active, rinse with clean potable water before re-use where required.

Aeris Active™ has triple action benefits:

- ✓ Kills germs, broad spectrum bactericidal.
- ✓ Kills & removes mould & mildew
- ✓ Removes discolouration caused by mould and remnants of dead organisms
- ✓ Leaves behind an invisible film providing residual protection from recolonisation on the surface



MKT-083-A-02



AERIS ACTIVE

HOSPITAL GRADE HARD SURFACE DISINFECTANT CLEANER. FOR USE ON ALL HARD SURFACES

FEATURES & BENEFITS

- Broad spectrum bactericidal activity
- Effective in killing fungi
- A safer alternative to bleach
- Patented technology
- Leaves an invisible tack-free film
- Excellent cleaning properties & efficacy
- Known biocides - recognised by regulators
- No build-up over time
- Greenest formulation available
- HACCP approved
- Highest efficacy in class
- Multiple biocides with broad spectrum activity
- Validated long-term residual efficacy
- Invisible, no build-up
- Universal hard surface compatibility
- Quat / polymer barrier film contains US FDA approved for indirect food contact materials



Challenge with 108cfu/ml P.a. (ATCC No. 15442) Swabbing (16 hrs. after contamination)

PREPARATION

Product Code	Description	Dilution Rate
AG-AA-500	Aeris Active 500mL	Ready to Use
AG-AA-5	Aeris Active 5L	Ready to Use

Product Code	Application Rate
AG-AA-500	As required (spray-on & wipe-off)
AG-AA-5	As required (spray-on & wipe-off)



AERIS ENVIRONMENTAL LTD
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MKT-083-A-02

Australian Register of Therapeutic Goods Certificate

Issued to

Novapharm Research (Australia) Pty Ltd

for approval to supply

Novapharm Research (Australia) Pty Ltd - PF-058 - Disinfectant, hospital grade

ARTG Identifier 308921
ARTG Start date 3/09/2018
Product Category Other Therapeutic Good Other Therapeutic Good - Listed disinfectant
Intended Purpose Hospital grade hard surface disinfectant

Manufacturer Details	Address	Certificate number(s)
Novapharm Research (Australia) Pty Ltd	3-11 Primrose Avenue ROSEBERRY NSW, NSW, 2018 Australia	

ARTG Standard Conditions

The above Other Therapeutic Good Other Therapeutic Good - Listed disinfectant has been entered on the Register subject to the following conditions:

No conditions have been recorded against this entry.

Products Covered by This Entry

1. PF-058 - Disinfectant, hospital grade


Product Specific Conditions

No specific conditions have been recorded against this entry.

Therapeutic Goods Administration
 PO Box 100, Woden ACT 2606 Australia
 Phone: 1800 020 653
 Email: info@tga.gov.au

ARTG Identifier: 308921
 ARTG Start Date: 3/09/2018

FORM FOR INCLUSION OF PRODUCT INTO THE INTERIM LIST OF HOUSEHOLD PRODUCTS AND ACTIVE INGREDIENTS FOR DISINFECTION OF NOVEL CORONAVIRUS (2019-NCOV)

No.	Data requirements	Description
1	Trade name of the product (include information if registered elsewhere)	AERIS ACTIVE (Registered in Australia)
2	Company name	AERIS ENVIRONMENTAL LTD
3	Composition in terms of g/kg or g/L or % w/w of active ingredient	Hydrogen peroxide: 5.8% – 7.1% at release 5.1% – 6.9% at expiry Benzalkonium chloride: 2.0% – 2.4% STM 0021 1.1% – 2.4% EP/USP Shelf Life: 3 years from date of manufacture
4	Efficacy study report(s) of the product against coronaviruses (e.g. SARSCoV, MERS-CoV, or other coronaviruses)	Australian TGA listed - Hard Surface Disinfectant, Option B (dirty conditions). Passes TGA-054 & TGA 054A requirements. HACCP Australia - Food contact surface compliant
	Please submit an attachment	
	Required if the active ingredient(s) are not in the approved list published by NEA (Interim List of Household Products and Active Ingredients for Disinfection of Novel Coronavirus (2019-nCoV))	
5	Instruction of usage	Spray Aeris Active evenly on the surface to be cleaned and disinfected, wipe and allow to dry. For heavily soiled surfaces spray Aeris Active and wipe away soil / debris with clean / dry cloth or paper towel. Reapply Aeris Active and leave for 10 minutes wipe and leave to dry for optimum residual anti-bacterial residual for up to 7 days or 200 (finger touches).
6	Hazard warning (if applicable)	 CAUTION: Keep out of the reach of children Not to be taken Read safety directions before opening or using.
7	Product label (please submit an attachment)	Attached.



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WORKINGDRAFT