

**A WORLD-FIRST TECHNOLOGY
FOR DISINFECTION + PROTECTION**

Solvit SURFACE SENTRY

ARTG-LISTED HOSPITAL GRADE DISINFECTANT

DUAL ACTION KILL+RESIDUAL

Powerful multi-active chemistry.
Proven to eliminate viruses and resistant bacteria.
Certified 24-hour residual protection.



AUST L 523713



solvitgroup.com.au

TRANSFORMING HAZARDOUS CHEMICALS INTO NON-TOXIC SOLUTIONS

Why Surface Sentry is different



SERGIO VITOMIR
CHIEF SCIENTIST

Instead of relying on a single ingredient, Surface Sentry uses a 3-Way Active chemistry platform engineered for complete hospital-grade disinfection.

Developed by inventor Sergio Vitomir, with over 30 years of formulation experience, the system combines stabilised hydrogen peroxide, boosted quaternary ammonium compounds, and a balanced natural extract—enhanced by a proprietary capsid destabiliser and bonded with microfilm technology for lasting residual protection.

This is not a single-ingredient disinfectant. It's a multi-active protection system.

LIMITATIONS OF SINGLE ACTIVES

Accelerated Hydrogen Peroxide (AHP)

Acts quickly and is highly effective, but if not stabilised can break down rapidly, lose strength in hard water, and offers no inherent residual protection.

QACs

Provide residual performance, but can struggle against certain resilient pathogens—particularly non-enveloped viruses—and often require higher concentrations to achieve broader efficacy.

Natural Essential Extracts

Offer supportive antimicrobial properties, but typically lack the strength required for comprehensive hospital-grade disinfection when used alone.

Alcohol and Bleach

Deliver rapid surface disinfection, but can be harsh on materials and skin—and provide no lasting residual defense.

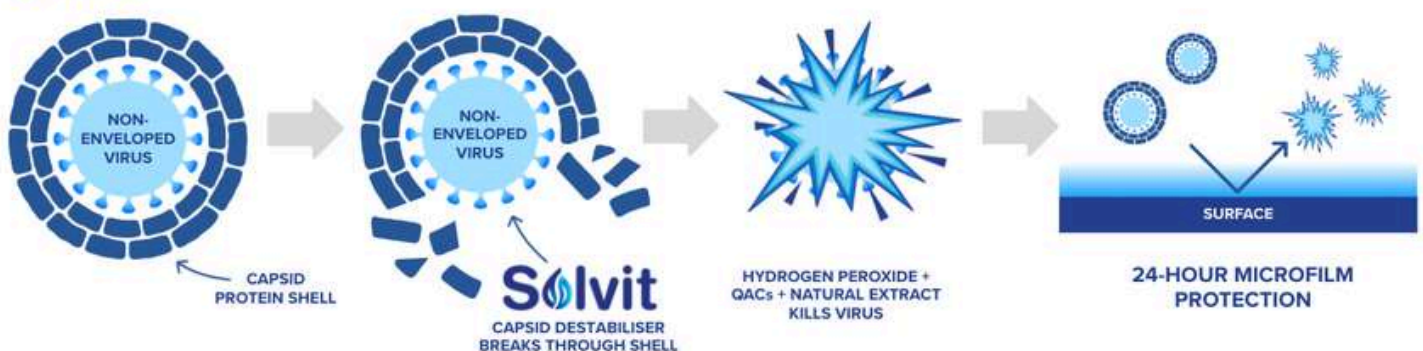
3-WAY ACTIVE TECHNOLOGY



Single-active disinfectants solve part of the problem.
Surface Sentry's multi-active system solves it all.

NON-ENVELOPED VIRUS PROTECTION

Solvit



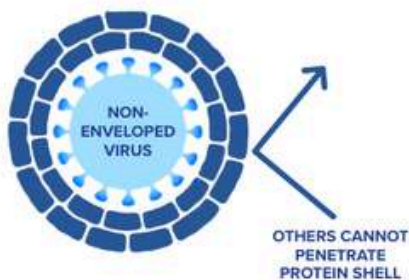
Why chemistry matters

	AHP	QAC	Alcohol/ Chlorine	Solvit SURFACE SENTRY
Effective Against Non-Enveloped Viruses	✓			✓
Effective Against Enveloped Viruses	✓	✓	✓	✓
Eliminates Gram Negative & Gram Positive Bacteria	✓	✓	✓	✓
Effective Against Resistant Bacteria				✓
Eliminates Mold & Yeast				✓
Residual Surface Protection		✓		✓
Capsid (Protein Shell) Disruption				✓
Surface Compatible (No Bleaching or Staining)	✓	✓		✓
Non-Corrosive Formulation	✓	✓		✓
Multi-Active Chemistry				✓

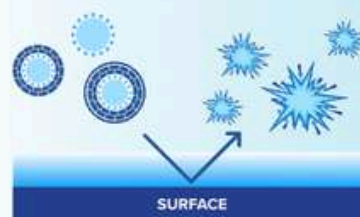
Capabilities based on typical performance characteristics of single-active disinfectant systems.

RESIDUAL PROTECTION

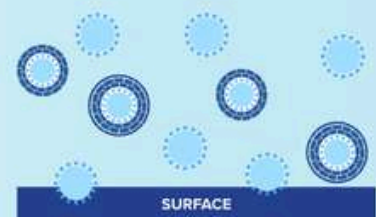
COMPARED TO OTHER
QAC DISINFECTANTS



Solvit



COMPARED TO OTHER
AHP DISINFECTANTS



BUILT ON 30 YEARS OF DISINFECTION INNOVATION

ABOUT SOLVIT

For over 30 years, Dr. Sergio Vitomir has been at the forefront of developing breakthrough disinfectant and protective technologies. Known as one of the pioneers of Quaternary Ammonium Compounds (QACs) during his time at Lonza in Switzerland, his innovations have been used by the World Health Organization (WHO), the US Military, and many of the world's leading airlines.

Dr. Vitomir has created solutions for industries as diverse as aviation, marine, concrete, and specialty chemicals, with more than 30 international patents to his name. His work has been trusted by companies such as Qantas, Boeing, Airbus, BASF, Azko Nobel, Bombardier, SAAB, and the Australian Air Force.

Solvit Group, an Australian-owned company, has built on this expertise for over a decade—delivering advanced, environmentally responsible solutions to the marine, mining, government, and construction sectors in Australia and worldwide. Surface Sentry is the latest innovation in that legacy: a hospital-grade disinfectant and residual protectant unlike anything else on the market.

COMMON USES

Ideally formulated for high touch and traffic areas where prolonged protection is required between cleaning.

- Medical and Dental practices
- Airports and Commercial Aeroplanes (Conforms to Boeing "Cleaning Interiors of Commercial Aircrafts" *tested via SMI Inc, Miami Florida)
- Hospitals
- High Touch Public Areas (ATM's, elevator buttons, escalator rails)
- Nursing Homes
- Childcare Facilities
- Public Transport
- Mine Site Accommodations and Food Halls
- Schools

MANUFACTURED BY:



PHONE 08 9419 5577

FAX 08 9419 4958

EMAIL sales@challengechemicals.com.au

www.challengechemicals.com.au

TESTING AND APPROVALS

- Listed on the ARTG, AUSTL 523713
- Tested and passed live Human SARS-CoV-2 strains (the virus that causes COVID-19) by world authority, Dr. Bill Keevil, at Southampton University, UK
- Conforms with Boeing specifications

EFFICACY BASED ON INDEPENDENTLY TESTED TGA CERTIFIED LAB RESULTS

BACTERIA (AOAC / TGA / PAS testing, all Passed)

- Staphylococcus aureus (MRSA, Golden Staph)
- Escherichia coli
- Pseudomonas aeruginosa
- Salmonella choleraesuis
- Enterococcus hirae
- Proteus vulgaris

RESISTANT BACTERIA

- Residual efficacy confirmed against MRSA (Methicillin Resistant Staphylococcus Aureus) and VRE (Vancomycin Resistant Enterococcus).

RESIDUAL EFFICACY

- Proven residual kill for 24-hours
- Residual efficacy confirmed against S. aureus, E. coli, P. aeruginosa, E. hirae, Candida albicans.

FUNGI & YEAST

- Candida albicans
- Trichophyton interdigitale (Athlete's foot fungus)

VIRUSES (ASTM E1053)

- Human Herpesvirus 1
- Porcine Parvovirus (surrogate for small non-enveloped viruses)

EXPECTED EFFICACY BASED ON INDIVIDUAL AND COMBINED ACTIVES

VIRUCIDAL

- Avian Influenza A (H5N1) and (H3N2)
- Cytomegalovirus
- Coronavirus (SARS-associated)
- Hepatitis B (HBV)
- Hepatitis C (HCV)
- Herpes Simplex Type 1 and Type 2
- Human Coronavirus
- HIV 1
- Influenza A (H1N1) and (H3N2)
- Respiratory Syncytial Virus
- Vaccinia virus

ANIMAL PREMISE VIRUCIDAL

- Avian Infectious Bronchitis Virus
- Canine coronavirus
- Canine Distemper virus
- Feline Picornavirus
- Infectious Bovine Rhinotracheitis Virus
- Pseudorabies virus
- Swine Influenza A (H1N1)
- Transmissible Gastroenteritis virus
- Canine Parvovirus
- Rabies Virus

NON-FOOD CONTACT SANITIZING

- Klebsiella pneumoniae
- Staphylococcus Aureus

FUNGICIDAL

- Candida Albicans
- Trichophyton interdigitale (Athletes foot fungus)

MILDEWSTATIC

- Aspergillus niger (up to 7 days)

[LEARN MORE](#)

Solvit
THE SMART CHOICE

