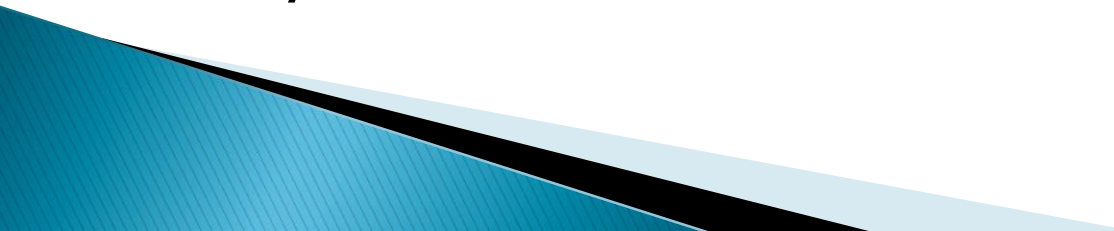




Virkon S

For the Royal Australian Navy – Garden Island

Agenda

- ▶ Why Virkon S ?
 - ▶ Testing Regime
 - ▶ Tested by experts
 - ▶ Broad Spectrum Proven Efficacy
 - ▶ What is Virkon S ?
 - ▶ How does it work ?
 - ▶ Ease of Use
 - ▶ Ease of Transportation and Storage
 - ▶ Environmental Profile
 - ▶ Other Applications
 - ▶ Any Questions
- 

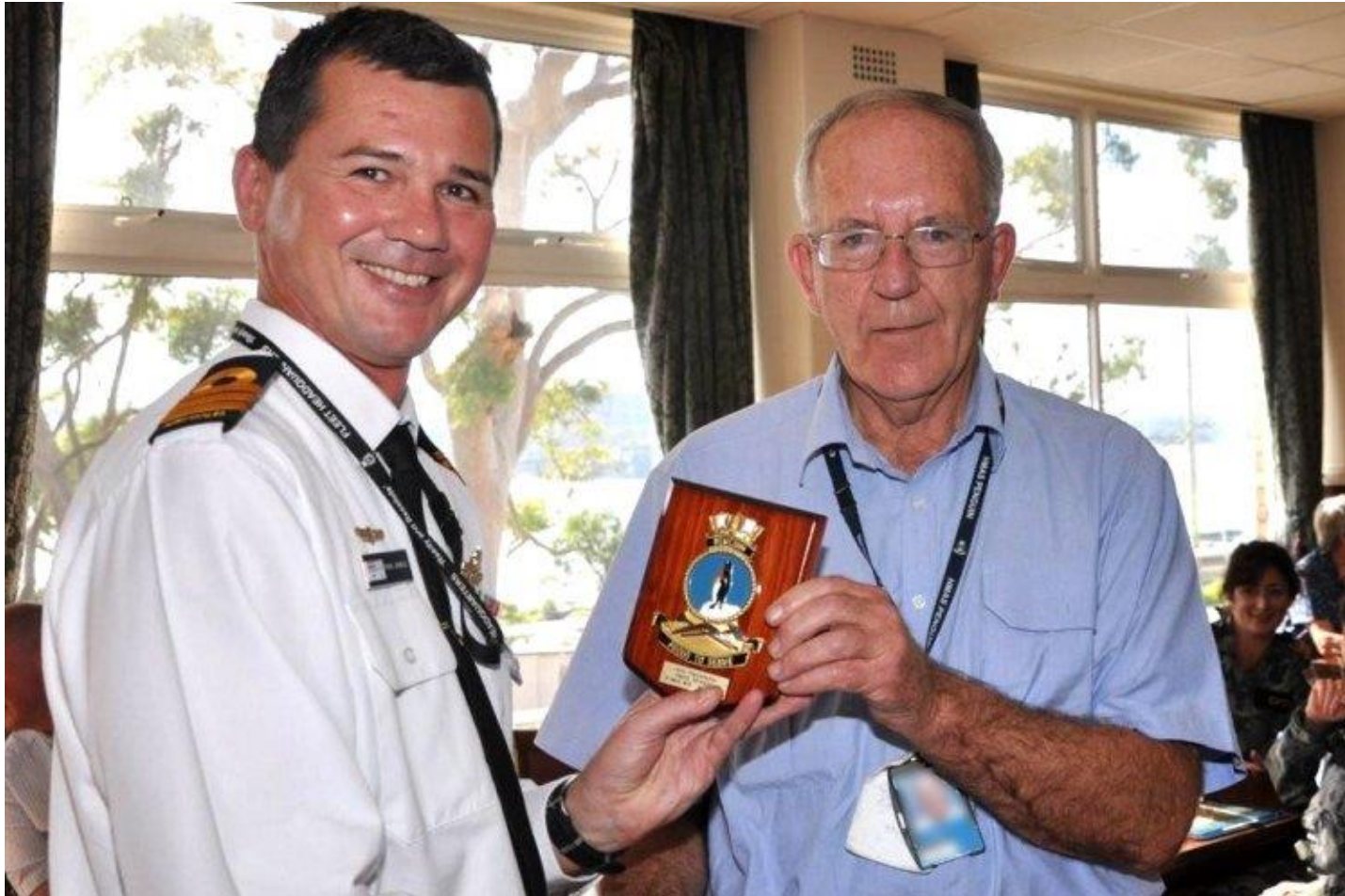
Tested for conditions applicable to your working environment .



Testing Regime over 3 years



Tested by the experts –



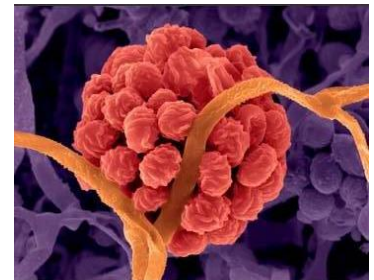
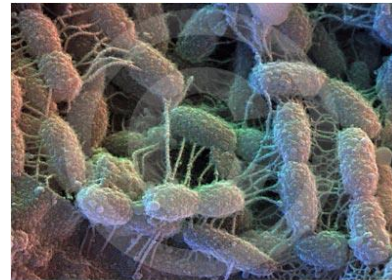
Scientist Officer Mr John Pennefarther 40 years service & author of "Diving and Subaquatic Medicine"

Broad Spectrum Proven Efficacy

Independently proven highly effective against

- *over 100 strains of virus in 22 viral families*
- *over 400 strains of bacteria*
- *over 100 strains of fungi*

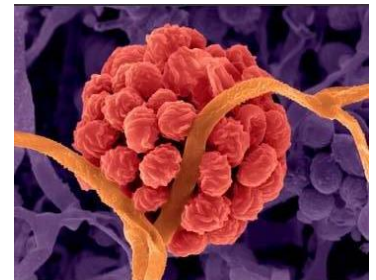
using a wide variety of contact times, temperatures and organic challenge levels.



Broad Spectrum Proven Examples

Independently proven highly effective against

- *over 100 strains of virus in 22 viral families*
- *Including Hepatitis A , B & C , HIV , Polio*
- *over 400 strains of bacteria*
- *Including Salmonella ,Camplyobacter, E.Coli , Listeria, Shigella*
- *over 100 strains of fungi*
- *Including ,Aspergillus, Tryichopyhton, Microsporium*

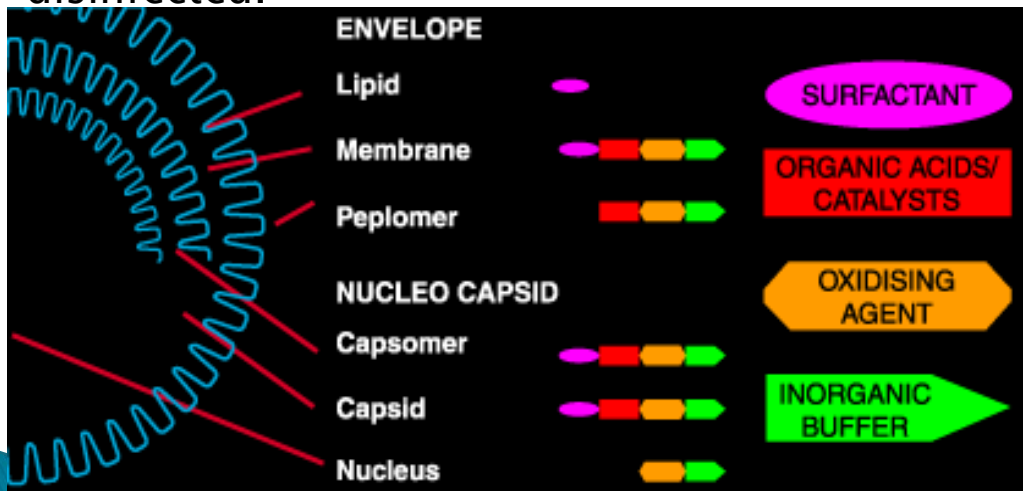


What is Virkon® S?

Uniquely formulated, synergistic blend of organic acids with an oxidising agent supported by an inorganic buffer and an anionic surfactant, among the ingredients.

The synergistic blend of ingredients sustains the oxidising activity of the disinfectant solution to destroy micro organisms

Each component of the formulation must be present to sustain the oxidising activity in 'real life' conditions across a wide variation of surfaces that have to be disinfected.



chemical reaction



DUPONT
The miracles of science™

Virkon® S

Defining biosecurity
for over 25 years

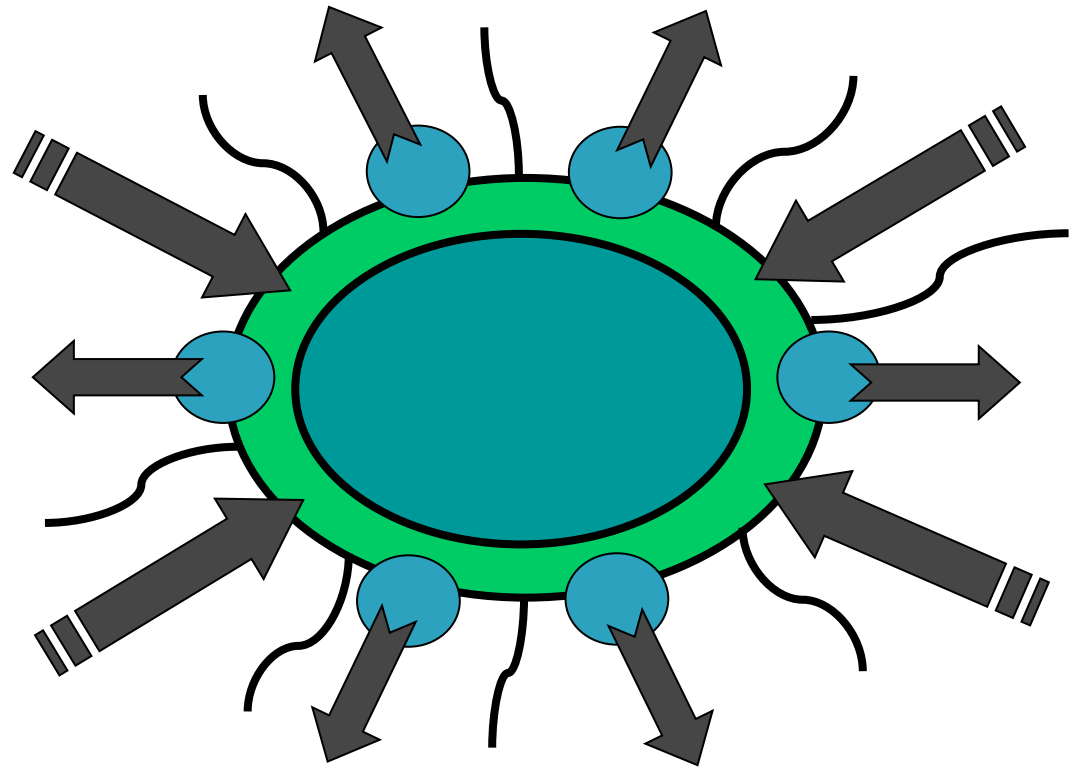
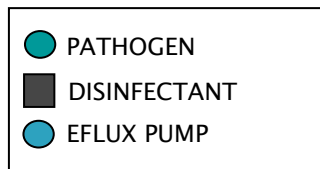


Virkon[®] S different mode of action

Bacteria responding to repeated exposure to;

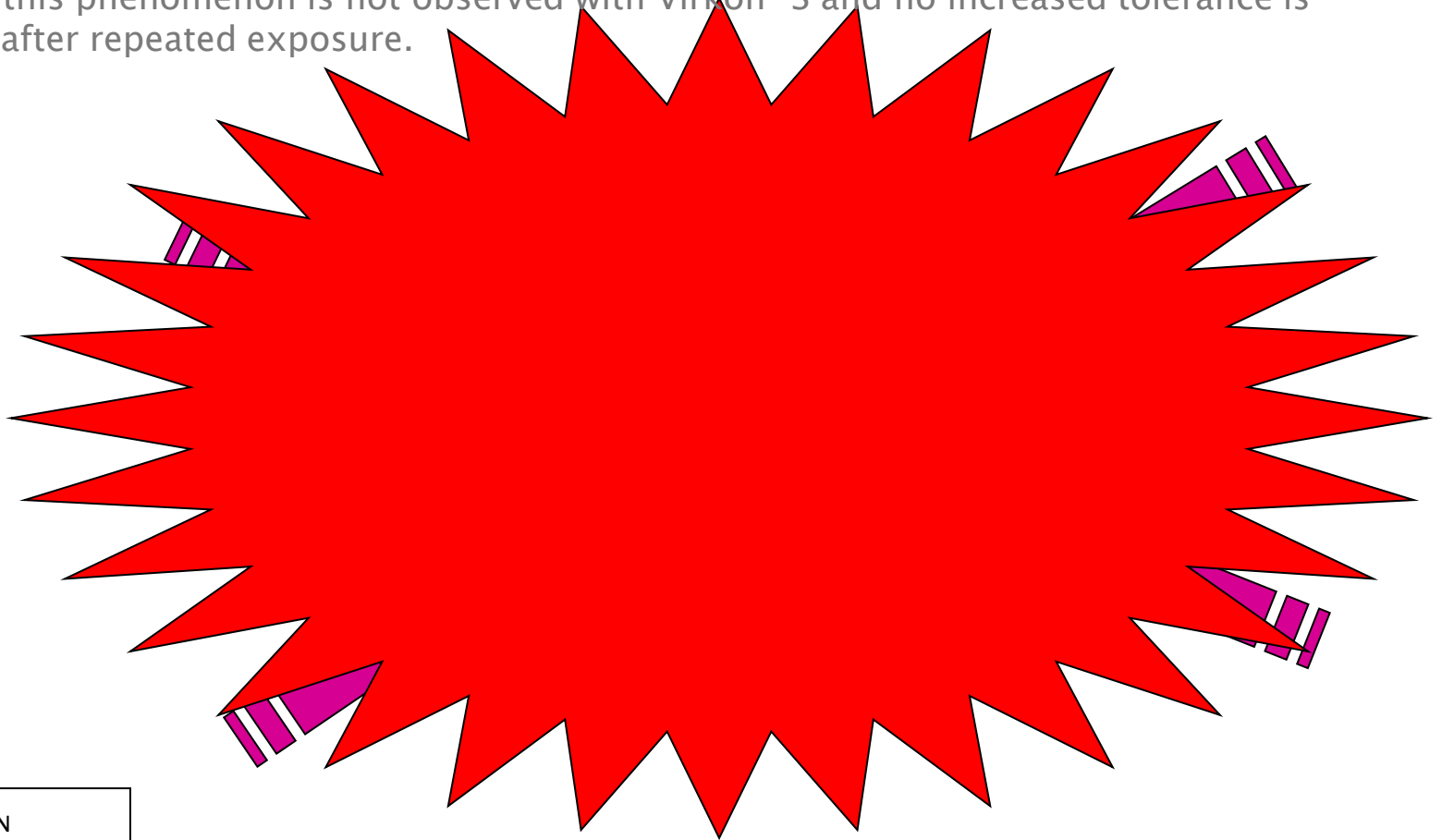
- Glutaraldehyde / QAC
- Tar oil phenol
- QAC (“Quat”)

based disinfectants show increased tolerance.



No Need to Rotate Virkon® S

However, this phenomenon is not observed with Virkon® S and no increased tolerance is observed after repeated exposure.



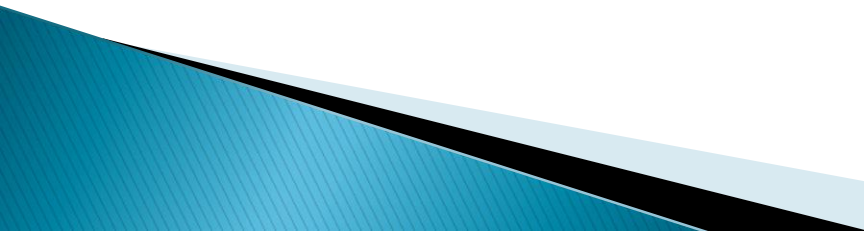
Easy to Use

- ▶ Make up a 1 in 100 solution
- ▶ 5g tablet in 500 ml Spray bottle
- ▶ Spray or dip item to be disinfected .
- ▶ Leave 10 minutes
- ▶ Rinse off with water



Easy to Transport and Store

- ▶ Many chemicals need special conditions for transportation and storage.
 - ▶ Dangerous Goods – phenols, aldehydes , quat and aldehyde combinations, chlorine
 - ▶ Require bunding in larger volumes.
 - ▶ Require segregation from other chemicals .
 - ▶ Many are not allowed on aircraft.

 - ▶ Virkon S has none of these constraints .
- 

Easy to Transport

- ▶ Virkon[®] S can be transported easily by:



Easy to Store

- Virkon® S does not require special storage conditions or need to be segregated from other chemical concentrates.
- Virkon® S can be stored for long periods of time making it the ideal choice for stockpiling in bulk.



Environmental Profile

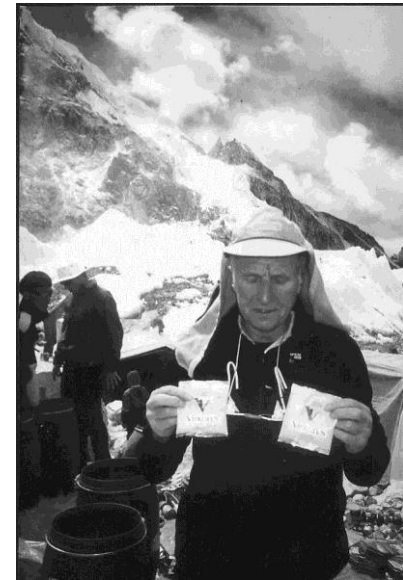
- ▶ Virkon[®] S provides:
 - Degradable key components
 - Convenient management of wastes i.e. via foul sewer
 - Meets the environmental standards for auditors and agencies including the UK's Advisory Committee on Organic Standards (ACOS) & DEFRA's ruling on the use of disinfectants in organic farming under EU council regulation 20/1991/EEC



Other applications here in Australia -Aquaculture



On Everest – Utensils disinfection



Any Questions ?

