Percide

Hospital Grade Disinfectant - AUST L 332284

Mould & micro-organism decontaminant.

Actichem's Percide is an advanced peroxide based disinfectant for the eradication of mould and decontamination of infectious environments.

Its unique formula penetrates deep into porous surfaces and reacts aggressively with mould spores & growth to entirely eradicate them. It also removes the mould stain and brightens the surface being treated. Percide does not encapsulate or hide mould, but eradicates its roots and spores to ensure consistent, 100% clearance reports on every mould remediation job.

Percide also displays impressive "hospital grade level" biocidal activity against bacteria and viruses including enveloped & unenveloped viruses and both gram negative & gram positive bacteria. Combined with it's innovative surface wetting characteristics, this makes Percide an unbeatable choice for both mould remediation, bio-decontamination and infection control in demanding situations.

APPLICATION - MOULD REMEDIATION

Percide's potentiated peroxide formula, has several innovative design features to provide consistent, reliable results in mould remediation every time. It's aggressive reaction with mould can be seen by the rapid fizzing when it contacts mould and organic matter. This action also lifts embedded soiling allowing high performance mould reduction even on soiled and porous substrates.

APPLICATION – Cat 3 WATER and BIO-HAZARD DECONTAMINATION

Percide's primary function is to provide rapid, powerful pathogen eradication even in the presence of organic soil. Promoting this function is Percide's deep pore penetration ability, making it the ideal decontamination and restoration tool for trauma, category 3 water and bio-contamination applications.

Percide leaves no oily or toxic residue and can be left as residual after clean-up is complete. Percide is active against gram positive and negative bacteria, moulds, spores, enveloped and non-enveloped (lipid & non-lipid) viruses with high log reduction / kill rates

EVALUATION IN ACCORDANCE WITH BS EN 1650

Micro-organism	Typical Location	Reduction	Test Condition
Aspergillus brasiliensis	Interior / Exterior	>4.4 log (99,99%)	Dirty
Penicillium chrysogenum	Indoor – flood environment	>4.4 log (99,99%)	Dirty

EVALUATION IN ACCORDANCE WITH HOSPITAL GRADE DISINFECTANT PROTOCOL

Micro-organism	Type	Reduction	Test Condition
Staphylococcus aureus	Gram-positive	>4.4 log (99,99%)	Dirty
Pseudomonas aeruginosa	Gram-negative	>4.4 log (99,99%)	Dirty
Salmonella choleraesuis	Gram-negative	>8 log (99,999999%)	Dirty
Escherichia coli	Gram-negative	>8 log (99,999999%)	Dirty
Proteus vulgaris	Gram-negative	>8 log (99,999999%)	Dirty
Coronavirus Murine Hepatitis	Virus enveloped	>4 log (99,99%)	Dirty
Polio Type1	Virus unenveloped	>4 log (99,99%)	Dirty

BENEFITS

Disinfects Bio-Contaminated Surfaces.

Kills Mould and Removes The Staining.

Advanced Peroxide Formula
Percide comprises a unique peroxide formula for incredible disinfection and mould eradication performance in a low toxic, easy to use form.

Penetration
To provide ultimate sanitisation of target surfaces, this powerful anti-microbial package has been combined with super-wetting technology. This enables the biocide to penetrate faster and deeper into the inner-structure of fibre and porous substrates.

Cleaning and Destaining
Percide lifts mould from surface pores and provides incredible cleaning and destaining action on mould and bacterial discolouration.

Eliminates Odours
Percide eliminates odours at their source by powerful antimicrobial action against odour causing germs.

Environmentally Safe
Percide is inherently biodegradable and is a great environmentally responsible choice. Safe for use in food environments.

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DIRECTIONS FOR USE

Always pre-test in an inconspicuous location for substrate sensitivity to chemicals. Observe all safety directions and read the SDS before use. Percide is safe for use on many synthetic carpets and fabrics, however see notes regarding the use of Percide on carpet & fabric. It should also be noted that fibres destabilised by disaster activity could be affected.

Mixing:

- No dilution necessary.
- For enhanced mould build-up removal and biocidal action, mix 9 parts Percide and 1 part Percide Boost (Use within 8 hours).

Application:

1. Remove and clean away all wet and dry debris.
2. Apply Percide solution to the affected area. Ensure all surfaces come into contact with Percide solution. Application can be by means of spray, wet fog, mop or cloth. See notes regarding wet fog application.
3. Agitate briefly, where possible to promote penetration into porous substrates. Thorough agitation will dramatically aid mould and stain removal.
4. Allow a minimum of 1 minute dwell time for disinfection and 10 minutes dwell time for mould remediation.
5. Rinse thoroughly with clean water.
6. Repeating this process may be required for heavy mould conditions.

Note

- For heavy mould situations mix Percide with Percide Boost for accelerated mould eradication and cleaning performance.
- Agitate thoroughly, to achieve a perfect result.
- After cleaning and disinfection is completed, Percide can be applied as a post residual treatment for enhanced inhibition of fresh mould growth.

MIST SPRAY AND FOGGING:

Large area mould remediation and disinfecting can benefit from the use of mist spray or fogging equipment. This process provides an effective means of getting disinfectant solution to every surface in an area.

Mist Spray

- **Mist Spray**
  Apply Percide solution through a pump-up pressure sprayer. Use a fine mist and avoid over-wetting. Use suitable respiratory protection. Note – ensure the area being treated is not inhabited, water and chemical sensitive materials are removed and air conditioning systems are turned off.

- **Fogging**
  Fog Percide solution through cold/wet fogging equipment. Avoid over-wetting. Use suitable respiratory protection (Filter type Type A Class 1 or 2 or Filter type CF22 A2). For use in cold/wet fogging equipment, the Percide must be mixed with Percide Boost at a rate of 20ml Percide Boost per litre Percide.

Note – ensure the area being treated is not inhabited, water & chemical sensitive materials are removed and air conditioning systems are turned off.

The ULV Fogger should have specifications within the ranges below;

Spray Rate: 30ml – 100ml per minute
Droplet Size: 10-50 microns

- **Carpets, Fabrics and Leather**
  These substrates can also be treated successfully with Percide, however extra care must be taken. Polypropylene can be treated with straight Percide, however all other synthetic fibres and leather must only be treated with a 50% dilution of Percide with water. It is recommended to always pretest for chemical or moisture sensitivity. It should be noted that only small, localised and fresh mould growth on carpets can be treated on the surface only. All other mould remediation work must include a treatment on the front & back of the carpet and subfloor.

FURTHER RESOURCES:

- Webinar: Where science meets mould
- Restoration Handbook
- Actichem Catalogue
- AP610 Percide Safety Data Sheet

PRODUCT SPECIFICATIONS

Product Code:	AP610
pH:	5.5 - 6.0
Colour:	Clear
Fragrance:	N/A
Safety:	Warning
Packaging:	750ml, 5Lt & 20Lt

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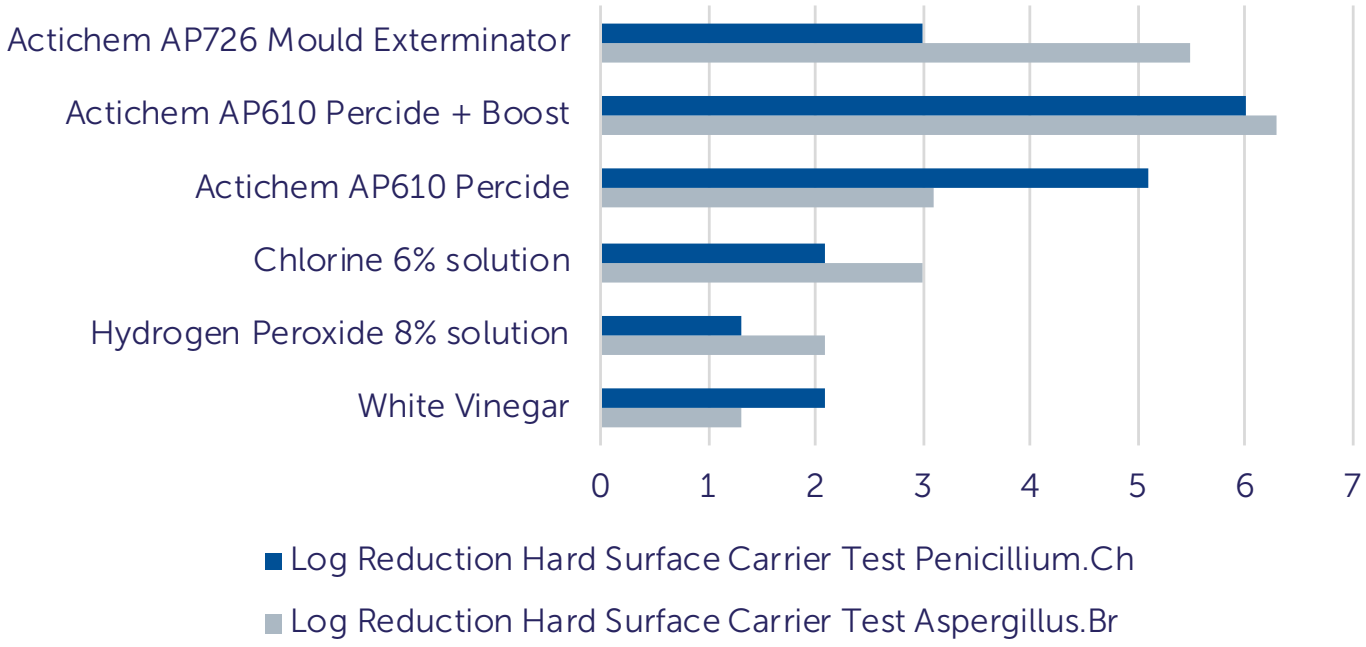
COMPARISON OF MOULD KILL EFFICACY OF CHEMICAL SOLUTIONS.

The following table displays a comparison of mould kill rates across a variety of commonly used chemical solutions and the Actichem mould remediation products.

This data is taken from 3rd party laboratory Hard Surface Carrier Tests, not Suspension Testing – see note on test methods below.

As will be noted the mould microorganism reduction through the use of Percide and related Actichem mouldicides is not only extremely impressive on this tough test type, but also is far greater than traditional chemistries used in mould remediation.

Mouldicide Performance Comparison



Dwell Time: 10min
Conditions: Dirty
Type: Vegetative & spore blend

Note on Test Methods

Quantitative Suspension Tests for Disinfectants, *measure the effectiveness of a disinfectant solution to inactivate a microorganism by suspending the target microorganism in the disinfectant solution. This test type is what most published disinfectant test results are based on.*

Hard Surface Carrier Tests for Disinfectants, *measure the effectiveness of a disinfectant solution to inactivate a microorganism on a hard surface and most closely simulates practical conditions of application. This test type is significantly more challenging but because they more closely represents the mould remediation application, Actichem has voluntarily challenged various mouldicides to this test type.*

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