Thymox Multisurface

AUST L 400439

actichem™
a touch of magic®

Thymox PDS

AUSTL 400439

A powerful solution for all disinfection and cleaning needs, made with thymol, a botanically derived active ingredient that shines in a herbal scent.

Thymox is a highly versatile professional-grade disinfectant designed to excel in various settings, including disaster restoration, healthcare, residential, commercial, and industrial environments. With its unique formulation, Thymox simplifies the cleaning process by providing comprehensive capabilities in a single step: cleaning, sanitising, disinfecting, and deodorising. It stands out particularly due to it's remarkable safe-in-use profile. Enabling efficient disinfection and decontamination around sensitive and health compromised people. Furthermore Thymox prioritizes environmental friendliness, meeting all eco-label requirements. This outstanding profile has also made it a popular choice in the fields of animal health and biosecurity.

Recommended applications

Thymox is highly effective on most hard and soft surfaces including furniture, bedding, carpet, timber, floors & walls, bench tops, appliances, equipment, windows, metals, glazed porcelain, steel, brass, aluminium, sealed concrete, polystyrene, plastic, polypropylene & PVC.

Benefits

- Botanically derived active ingredient.
- Kills 99.99% of germs, viruses, fungi & moulds.
- No Rinse Required.
- Effective in cleaning, disinfection, decontamination and odour control.

FAST-ACTING
Rapid pathogen kill rates.

4-in-1
Replaces numerous products. Thymox can disinfect + sanitise + clean + deodorise

SAFE
Safe for everyday use. Botanically derived

KILLS 99.99% OF GERMS

- VIRUSES: HIV-1, Swine Influenza A, H1N1, RSV, SARS Cov-2
- BACTERIA
- FUNGI & MOULDS
- NOROVIRUS

VERSATILE
Compatible with foggers and sprayers

INTERNATIONAL REGISTRATIONS

- TGA - Hospital Grade Disinfectant AUSTL 400439
- Health Canada
- EPA Environmental Protection Agency

PRODUCT SPECIFICATIONS

Product code: AP605

pH: 6.0

Fragrance: Natural Herbal Scent

Pack Size: 750mL, 5Lt & 20Lt

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TEST MICROORGANISMS	EXPOSURE TIME	RESULTS CARRIER POPULATION CONTROL RESULTS
Pseudomonas aeruginosa ATCC 15442	2 min	6 Log Reduction
Salmonella enterica ATCC 10708		4 Log Reduction
Staphylococcus aureus ATCC 6538		6 Log Reduction
Escherichia coli ATCC 11229	2 min	4 Log Reduction
Escherichia coli O157:H7 ATCC 35150	2 min	5 Log Reduction
Methicillin-Resistant Staphylococcus aureus MRSA ATCC 33592	2 min	6 Log Reduction
Vancomycin-Resistant Enterococcus faecalis VRE ATCC 51575	2 min	5 Log Reduction
Listeria monocytogenes ATCC 18117	2 min	5 Log Reduction
Klebsiella pneumonia - NDM-1 positive CDC 1000527	2 min	5 Log Reduction
Streptococcus suis ATCC 43765	2 min	5 Log Reduction
Mycobacterium bovis-BCG	3 min	4 Log Reduction

TEST MICROORGANISMS	EXPOSURE TIME	RESULTS CARRIER POPULATION CONTROL RESULTS
Swine Influenza A H1N1 ATCC VR-333	1 min	5 Log Reduction
Human Immunodeficiency Virus type 1		3 Log Reduction
Human Coronavirus ATCC VR-740		3 Log Reduction
Severe Acute Syndrome-Related Coronavirus 2 (SARS-CoV-2)		3 Log Reduction
Feline Calicivirus as a surrogate for Norovirus	4 min	3 Log Reduction
Trichophyton mentagrophytes ATCC 9533	3 min	4 Log Reduction
Candida albicans ATCC 10231	3 min	6 Log Reduction

DIRECTIONS

DISINFECTION

For use on hard nonporous surfaces. Spray to thoroughly wet the surface to be disinfected. Spot test to check compatibility with the surface.

Surface must remain wet for 1 minute to kill viruses, 2 minutes to kill bacteria, 3 minutes to kill fungi and M bovis BCG (TB), and to disinfect Norovirus, let stand for 4 minutes. Allow to air dry. If desired, wipe dry.

Repeat for reliable disinfection on grossly soiled surfaces.

CLEANING & DEODORISING

Spray the product on surface and wipe clean. To remove heavy soil let stand a few minutes and wipe clean. For soft surfaces; spray to wet surface and wipe or blot to clean.

FOGGING

This product can be applied effectively with a ULV fogger as a supplement to normal cleaning procedures on restoration and remediation projects in confined, vacant areas of schools, healthcare facilities and in HVAC systems.

Why Thymox?

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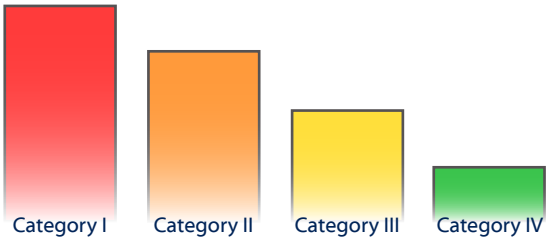
1. BEST FORMULATION	2. BEST TECHNOLOGY	3. BEST APPLICATION
• Botanically derived and hospital grade disinfectant, highly stable formula. • Corrosion is virtually non-existent, almost any material can be treated.	• Efficacy against a very broad range of important human pathogens, including SARS CoV 2. • Lowest EPA toxicity level (category IV) no worries around kids and pets. • Effective on textiles & fabrics.	• Lowest contact times allow consumers to use surfaces rapidly after spray. • It replaces many different types of toxic common cleaners. • No need to rinse or wipe, for non-food contact surfaces. Spray and walk away.

ACTIVE INGREDIENT LOWEST TOXICITY

PRODUCT ACTIVE	TOXICITY CATEGORY
Thymox	IV
Accelerated Hydrogen Peroxide	III or IV
Quaternary Ammonium Compounds	II or III
Bleach	I



Chlorine Bleach	Quaternary	Hydrogen peroxide	Thymox
• Caustic and irritating. • Can corrode metals and damage fibres and fibres dyes. • Unstable and readily emits toxic fumes. • Can cause sever skin and eye damage.	• Strongly irritating. • Can cause allergies and asthma. • Can lead to antimicrobial resistance. • Ineffective against TB. • Affected by organic matter.	• Long term stability is an issue. • Decomposition can release gases. • Can cause corrosion on surfaces. • Can cause skin & eye damage.	• No label warnings or precautionary statements. No signal words, first aid or special handling directions. • No evacuation of building occupants required. • No rinsing or wiping required - except on direct food contact surfaces. • Non-abrasive and non-corrosive. • Neutral pH. • TGA Hospital Grade Disinfectant listing.

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Thymox - A Complete Guide to the Use and Application

Application Method Notes

Trigger Spray or Direct Pour
Apply Thymox solution direct to the surface or pre-moisten a clean cloth/wipe. Spread over the affected area. Do not over-wet. Allow to air dry. A correctly treated surface will dry in 5-10 minutes. COVID-19 disinfection requires a 1-minute dwell time, 2-minutes for Bacterial, 3-minutes for fungi and 4-minutes for Norovirus.

Clean and Disinfect (1 Step)
If the surface is not grossly dirty, clean and disinfect in one step using Thymox solution using the process described above.

Clean First then Disinfect (2 Steps)
If the surface has gross filth or has been subject to bio-contamination by blood or body fluids, it must be cleaned first. The initial clean can be done with Thymox solution.
Once the surface is clean, then perform the disinfecting step using Thymox solution using the process described above.

Mist Spray and Fogging
Large area 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
Apply Thymox through a pump-up pressure sprayer. Use a fine mist and avoid over-wetting. Allow to air dry. A correctly treated surface will dry in 20-40 minutes. If desired surfaces can be wiped dry after 10 minutes. Note – ensure the area being treated is not inhabited, and water sensitive materials are remove. It is not necessary to turn off air conditioning systems however some circumstances may require this.

Fogging
Fog Thymox through cold/wet fogging equipment. Avoid over-wetting. Pools and runs should not be visible. Use suitable respiratory protection (Filter type Type A Class 1 or 2 or Filter type CF22 A2). A correctly treated surface will dry in 20-40 minutes. If desired surfaces can be wiped dry after 10 minutes. Note – ensure the area being treated is not inhabited, and water sensitive materials are remove. It is not necessary to turn off air conditioning systems however some circumstances may require this.

Rinsing Vs. Air-drying Vs. Wiping
Surfaces which are visibly clean can be wiped dry or air dried. Air drying provides a convenient way to achieve recommended dwell times. Wiping surfaces with a cloth pre-moistened with Thymox, dislodges body oils and grime and provides the very best disinfection outcome. Ensure surfaces left to air dry do not take longer than 40 minutes in occupied areas, 10 minutes in occupied areas and will not be a slip or other hazard to personnel in the area.

Thymox - A Complete Guide to the Use and Application

Flooring
For general purpose floor cleaning and sanitising use the following procedure.
1. Apply Thymox using a mop bucket, flat mop system or autoscrubber.
2. Allow to air dry. A correctly treated surface will not take longer than 10 minutes to dry.

Surface Compatibility
When used as directed, Thymox is safe on virtually all water cleanable hard surfaces. However, please note the following points;
Carpets, fabrics and leather are also treated successfully with Thymox, however it is recommended to pretest for chemical or moisture sensitivity.
Brass & Non-ferrous metals can be affected by chemical solutions. Pretesting for chemical sensitivity is recommended. Take extra care and wipe dry. Do not allow to air dry.
Electronics can be affected by chemical solutions. Pretesting for chemical sensitivity is recommended. Do not spray directly onto electronics. Use a premoistened cloth.

Food Preparation Areas
All the ingredients in Thymox are classified as food safe. It is safe to use in food preparation facilities however surfaces which have direct food contact (eg cutting boards) must be rinsed with potable water in keeping with food authority guidelines.

Best Practice Procedures
Consult with information from your local health authority for disinfection frequency and procedures. Recommendations made in this document stand subject to health authority instructions.

Touch Points
Touch points should be treated more frequently in accord with the frequency of usage or traffic. Wiping touch with a cloth pre-moistened with Thymox, dislodges body oils and grime and provides the very best disinfection outcome.

Expiry Dates
Thymox– has a 12 month expiry date.

Thymox - A Complete Guide to Fogging Thymox

Thymox is a powerful, disinfectant proven to kill a wide variety of bacteria and viruses, including: Coronavirus, SARS-CoV-2 (Severe acute respiratory syndrome coronavirus 2), Influenza A, HIV-1 (Human Immunodeficiency Virus), Norovirus, Pseudomonas aeruginosa, Salmonella enterica (cholerasesuis), Staphylococcus aureus, Escherichia coli (E. coli), E. coli O157:H7, Methicillin Resistant Staphylococcus aureus (MRSA), Vancomycin Resistant Enterococcus (VRE), Listeria monocytogenes, Streptococcus suis, and Klebsiella pneumoniae-NDM-1 positive.

Thymox is uniquely suited to application by ULV fogger and is used extensively for the decontamination of healthcare and public spaces.

Application by Fogging
Application by fogging is a very efficient and effective method of applying Thymox to surfaces in a complex environment.
The ULV (Ultra Low Volume) fogging equipment aerosolizes the Thymox solution into micron size droplets for even and effective dispersion without over wetting and enables reach into restricted spaces.

Fogger Type
Use ULV Fogging equipment capable of producing a cold/wet fog, sometimes called atomised fog. Thermal (heated) fogging is not suitable for water-based solutions.
The ULV Fogger should have specifications within the ranges below;
Spray Rate: 30ml – 100ml per minute
Droplet Size: 10-50 microns

Precautions and Safety
- Use suitable respiratory protection (Filter type A Class 1 or 2 or Filter type CF22 A2).
- Wear suitable eye and skin protection.
- Ensure the area is empty/uninhabited at the time of fogging.
- Cover or remove water-sensitive surfaces and foods.

Application
Read and understand the directions for the use of the fogging equipment provided by the equipment supplier.
Turn off air conditioning and air reticulation systems. Close doors and windows.
Surfaces that are soiled should be pre-cleaned.
Move the fogging system through the area to achieve a dosage of 8-10ml per m3. Work out the room volume by multiplying length x width x height. Then use the spray rate of the fogger (eg 30ml per minute) to calculate how many minutes the fogger needs to be used in each room.
A correctly treated surface will dry in a minimum of 10 minutes and maximum of 30 minutes. No runs or pools should be visible.
Ten minutes after application, ventilation can be returned. Inhabitants should not return until surfaces have dried.
Rinsing or wiping is not normally required however touch point will benefit from wiping to dislodge body oils and grime and provide the very best disinfection outcome. Medical treatment surfaces and food preparation surfaces should be wiped 10 minutes after application.

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