



CHEMGENE HLD₄L

High Level Laboratory Surface Disinfectant



The introduction of CHEMGENE HLD₄L continues the trend of leading edge biosecurity technologies established by Medimark Scientific and represents significant developments in disinfectant technology.

Our scientists established another 'first' by combining enhanced active ingredient molecules with micelle cleaning technology to provide a unique carrier/delivery system for disinfectant products.

The HLD₄ Formula is being supported through BPD and REACH and contains no substances classified as dangerous to health.

CHEMGENE HLD₄L combines a formidable array of microbiological credentials with the enhanced facilities of faster and more effective anti-pathogenic activity.

Safety, Security and Simplicity have been enhanced too, allowing CHEMGENE HLD₄L to offer economic dilutions for virtually all environmental challenges.

CHEMGENE HLD₄L is manufactured in accordance with Quality Management System ISO 9001 and is biodegradable under OECD conditions.

TRUSTED INFECTION CONTROL

High Level Multi Purpose Laboratory Disinfectant

At the heart of the all new CHEMGENE HLD₄L formula is the micelle cleaning technology that enables the active molecules in the product to be carried rapidly through the cell walls of micro-organisms.

Swift penetration of the cell walls ensures cell death is equally rapid.

The synergistic blend of technology and active ingredients enables CHEMGENE HLD₄L to work quicker than conventional High Level Disinfectants and ensure that apoptosis (cell death) is achieved rather than merely suspending activity as with conventional products.

A safer to use disinfectant all round

Health and safety issues and product compatibility are of real importance to everyone. We encourage all users of chemical products to pay special attention to the advisory statements within Material Safety Data Sheets and upon product labelling.

APPLICATIONS

- For bio-hazard contamination (blood, urine, vomit etc.) dilute to 1:20 (5%). To make ready-to-use solution, dilute 50ml of concentrate product in 1ltr of water of a suitable quality
- Wash down all surfaces with disinfectant at 1:20 (5%) and dry with paper towel or allow to dry naturally
- For general disinfection of floors and walls dilute at 1:100 (1%). To make ready-to-use solution, dilute 10ml of concentrate product in 1ltr of water of a suitable quality
- See application sheets for further information
- CHEMGENE HLD₄H wipes can also be used to wipe surfaces and be allowed to dry

CHEMGENE HLD₄L Laboratory Disinfectant is available in 1ltr self-dosing concentrate, 5 litre concentrate and also ready-to-use 750ml trigger spray diluted at 1:20.

Following testing by the department of Biochemistry at Cambridge University, HLD₄ formulation was proven to precipitate / denature double stranded DNA / RNA.



CHEMGENE HLD₄L has been tested effective against:

FUNGICIDAL ACTIVITY

Trichophyton rubrum
Aspergillus niger
Candida albicans

MYCOBACTERICIDAL ACTIVITY

Mycobacterium terrae
Mycobacterium avium

VIRUCIDAL ACTIVITY

Hepatitis B
HIV
Herpes Simplex
Norovirus
Coronavirus

BACTERICIDAL ACTIVITY

Pseudomonas aeruginosa
Escherichia coli
Staphylococcus aureus
Enterococcus hirae
Legionella pneumophila
Salmonella typhimurium
Listeria monocytogenes
Methicillin-resistant
Staphylococcus aureus
Methicillin-resistant
Staphylococcus pseudointermedius

SPORICIDAL ACTIVITY

Bacillus subtilis
Bacillus cereus

Further testing pending certification.

Materials compatibility

Independent laboratory testing demonstrates no corrosion or deterioration of the following materials, even after long-term repeated immersions:

Rubber compounds, Plastics, Fibreglass, Stainless Steel, Mild Steel, Aluminium, Copper; Brass and other materials found in clinical practice, in particular synthetic floors, instruments and devices.



The details given in this leaflet are correct at the time of going to press. The company reserves the right to change and improve the products without prior notice.

Manufactured in the UK

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