

MicroShield



Thorough Disinfection & Complete Bio-Security

PRODUCT OVERVIEW

MicroShield is a high-efficacy, broad-spectrum disinfectant developed for comprehensive disinfection and biosecurity in demanding environments such as animal housing, veterinary clinics, food processing areas, hospitals, and general hygiene settings.

Its advanced dual-active formulation of Glutaraldehyde and Quaternary Ammonium Compounds provides fast-acting and residual antimicrobial protection, even in the presence of organic matter.

Formaldehyde-free and non-corrosive at recommended dilutions, MicroShield is safe for use on a variety of surfaces and equipment. It is highly versatile, suitable for application via spraying, fogging, or immersion, and offers consistent results against a wide range of viruses, bacteria, fungi, and moulds. With its proven reliability, MicroShield is the ideal choice for maintaining high standards of cleanliness and disease control.

FEATURES & BENEFITS

- **Broad-spectrum activity:** Kills bacteria, viruses, fungi, and moulds.
- **Residual effect:** Long-lasting microbial suppression.
- **Fast-acting:** Immediate disinfection upon contact.
- **Non-corrosive** at recommended dilutions.
- Stable and active in the presence of organic matter.
- **Formaldehyde-free** for safer usage.
- **High foaming** properties for effective surface contact.
- **Effective** via spray, soak, or fogging application.

SUPERIOR EFFICACY



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MicroShield



APPLICATIONS:

- Animal Housing: Poultry, cattle, stables, kennels, hatcheries, catteries
- Veterinary Clinics and Shelters
- Food Industry: Slaughterhouses, food prep rooms, cold storage
- Hospitals & General Sanitation

Effective Against: Gumboro Disease, Newcastle Disease, Vesicular Disease, Anthrax, Brucellosis, Glanders, Mycoplasma...and many more harmful pathogens

DIRECTIONS FOR USE DILUTION GUIDELINES:

- Pre-rinse the surface with potable water.
- Dilute only with clean, cold water according to the recommended dilution rates.

Routine Disinfection Guidelines:

Application	Dilution Ratio	Usage Rate
Routine Disinfection	1:150 1:300	Spray: 100-300 ml/m ²
Fogging/ Fumigation*	1:150	9 L per 1000 m ² (1:4 dilution)
Drinking Water Sanitization	1:3000	For animal-use drinking water only

*Re-entry time after fogging: Minimum 3 hours

PRODUCT DETAILS

Composition

30% (Glutaraldehyde 50%) & 20% (Quaternary Ammonium Compound 50%)

Formulation: Liquid Concentrate

Appearance: Clear colorless to light brown liquid with Lemon odor

Formaldehyde Content: None (Formaldehyde-Free)

Foaming: High foaming action

pH (at use dilution): Neutral to mildly alkaline

Stability in Organic Matter: Excellent

Packaging

Available in 5L and 20L Jerrycan suit agricultural and industrial requirements.

SAFETY INFORMATION

For industrial use only.

Operator Safety:

Always wear gloves, protective eyewear, and a mask during handling and application.

Avoid contact with skin and eyes; use appropriate personal protective equipment (PPE).

Refer to the Safety Data Sheet (SDS) for detailed safety and handling instructions.

First Aid Measures:

- In case of skin contact, wash with soap and water.
- If inhaled, move to fresh air and seek medical attention if symptoms persist.
- In case of eye contact, rinse immediately with plenty of water and consult a physician.

STORAGE AND DISPOSAL:

Storage:

Store in a well-ventilated area at temperatures not exceeding 30°C away from direct sunlight and incompatible materials.

Keep out of reach of children and unauthorized personnel.

Disposal:

Dispose of used containers and residues in accordance with local regulations.

Trusted Protection. Total Disinfection.



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