

# MicroShield s



## Formaldehyde-free, Broad-Spectrum Disinfectant

### PRODUCT OVERVIEW

MicroShield s is a high-performance, broad-spectrum disinfectant designed to deliver thorough disinfection and complete biosecurity across animal health, veterinary, and food industry environments.

It is a fast-acting, formaldehyde-free formulation based on a synergistic combination of glutaraldehyde and quaternary ammonium compounds, providing powerful and long-lasting antimicrobial activity even in the presence of organic matter.

MicroShield s is suitable for use as a final spray or fogging disinfectant, offering superior surface coverage, prolonged residual activity, and cost-effective performance.

### TOTAL PROTECTION WITHOUT COMPROMISE

### FEATURES & BENEFITS

- Broad-spectrum efficacy against viruses, bacteria, fungi, and moulds for reliable and comprehensive disinfection.
- Proven residual activity providing prolonged protection and supporting continuous biosecurity programs.
- Fast-acting formulation ensures rapid microbial control and reduced downtime.
- Remains effective in the presence of organic matter, maintaining performance under farm conditions.
- Non-corrosive to surfaces when diluted as directed, protecting equipment and building materials.
- Formaldehyde-free formulation suitable for routine biosecurity use.
- High foaming properties improve surface coverage and contact time.
- Suitable for spraying, fogging, and drinking water sanitation applications.
- High efficacy combined with low cost-in-use for economical disinfection.



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# MicroShield S

## PRODUCT DETAILS

### Composition

15% (Glutaraldehyde 50%) & 10% (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.

## RECOMMENDED USES

- Poultry and livestock houses
- Cattle farms, stables, kennels, and catteries
- Hatcheries and incubation facilities
- Veterinary clinics and hospitals
- Slaughterhouses and food processing areas
- Food preparation and cold storage rooms
- General and institutional disinfection

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

## SAFETY INFORMATION

### 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.
- In case of eye contact, rinse immediately with plenty of water and consult a physician.

## WHERE BIOSECURITY BEGINS

## DIRECTIONS FOR USE

**For routine disinfection dilute from 1:100 to 1:200 with clean, cold water .**

### Stage 1 – Pre-Cleaning

- Remove dust, dirt, and organic matter
- Remove movable equipment and wash using MicroShield S at 1:100
- Drain water systems, fill with 1:100 solution, leave for 1 hour, then flush with clean water
- Clean all areas using a cationic detergent

### Stage 2 – Terminal Disinfection

- Spray MicroShield S at 1:100 dilution
- Apply:
  - 300 ml/m<sup>2</sup> on porous surfaces
  - 100 ml/m<sup>2</sup> on non-porous surfaces
- For earth floors, use 1:50 dilution

### Stage 3 – Restocking

- Lay new bedding and return equipment
- Before restocking:
  - Fog using 9 liters per 1000 m<sup>2</sup> at 1:4 dilution, or
  - Spray using knapsack sprayer at 1:100 dilution

### Stage 4 – Ongoing Biosecurity

- Maintain foot dips and wheel washes at 1:100 dilution
- Replace solutions completely twice weekly

**To sanitise drinking water, use at a dilution of 1:2000.**

## 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.



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