



Roots Biotech's

ROOVICON

Comprehensive Solution for Biosecurity



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BIOSECURITY – BACK BONE OF POULTRY HEALTH

Cleaning and disinfection are key components of routine biosecurity in poultry farming.

Decontamination kills any disease organisms like: virus, bacteria, parasite, mold that might be present on a farm, at the end of a production cycle or after disease outbreak.

DECONTAMINATION ALLOWS FOR SAFE RE-POPULATION OF A FARM

ROOVICON : A new formulation based on micro-emulsion technology, providing a safer, simpler and secure disinfectant that is economical to use. The synergistic blend of active ingredients produces the fastest acting and most efficient bactericidal, virucidal and sporicidal disinfection that is available in non-oxidizing technology.

A Synergistic blend of active ingredients:

Fifth generation QUATS	< 10 %
Polyhexanide polymer compound	< 20 %

This unique combination ensures an effective and long lasting disinfection wherever a micro organism-free environment is needed: Poultry farms, Animal farms, Transport vehicles, Slaughter houses, Storage facilities, Meat processing plants, etc.



Bactericidal, Virucidal, Fungicidal, Mycobactericidal & Sporicidal



FEATURES:

- 1) Fastest acting and most efficient Bactericidal, Virucidal (effective against New Castle disease & ILT), Fungicidal and effective against spores & molds.
- 2) Resistant to inactivation.
- 3) Non toxic to birds & human.
- 4) Non corrosive - Safe for Rubber compounds, Plastics, Fiberglass, Stainless Steel, Mild Steel, Aluminum, Copper, Brass and other materials like synthetic floors, instruments and devices.
- 5) Non carcinogenic, Non genotoxic & Non mutagenic.
- 6) Fast acting contact time: 5-15 minutes (5 minutes in dry surfaces & 15 minutes in presence of organic load).
- 7) Easy preparation & use.
- 8) 100% bio-degradable.
- 9) Does not contain any gluteraldehydes, chlorines, phenols, phenyl phenols or tri-butyl tin oxide and has none of the harmful characteristics of any of these chemicals.



Mode of Action:

Synergy of combination gives enhanced microbiocidal effect -

It irreversibly binds to the phospholipids and proteins of the microbial membrane, thereby impairing permeability. It also acts on cytoplasmic membrane, with resulting modification of membrane permeability and gets actually absorbed onto the cytoplasmic membrane of Gram-positive or Gram-negative bacteria, leading to a destructive effect at this level. The bactericidal effect is very rapid, due to coagulation of the cytoplasm.

Use:

2ml / litre - for disinfection of Empty sheds, Vehicles, Foot/Wheel dip.
Equipments can be dipped and washed in this dilution. Spray thoroughly to wet the entire surface area.

2 ml / litre - routine disinfection of sheds – spray once a week.

10 - 15 ml / litre - incase of challenges once a day for 5 days followed by 5ml/litre as maintenance.

50 ml / litre - spray/cold fumigation/mist spray – during infection of Avian influenza, Newcastle disease & paramyxovirus infection (These concentrations are recommended considering risk benefit factor in above infections).

For best results use foggers or knapsack power sprayer on its finest mist settings.

Contact time for effective disinfection will vary according to the cleanliness of the surface, but normally 1 to 5 minutes contact time on a relatively clean surface and 10 to 15 minutes in the presence of organic load (due to litter) may be required.

Material Safety Data Sheet extracts

EXPOSURE CONTROLS

- Skin contact : Low risk : May degrease skin leading to dryness with excessive contact.
Eye contact : Low risk : May cause temporary discomfort.
Inhalation : Low risk : Avoid inhalation of fine mist spray.
Inhalation (long term) : Low risk : Avoid inhalation of fine mist spray.
Ingestion : Low risk : Substantial ingestion will cause discomfort to mouth and digestive enzymes.



Effective against the following micro-organisms :

FUNGICIDAL	BACTERICIDAL	MYCOBACTERICIDAL
<p>Aspergillus niger Trichophyton spp Cladosporium spp Saccharomyces spp Candida spp Microsporium spp Penicillium spp Malassezia spp</p>	<p>Pseudomonas aeruginosa Campylobacter spp Staphylococcus spp Streptococcus spp Leptospira spp MRSA Escherichia coli Bordetella bronchiseptica Dermatophilus congolensis Enterococcus spp Klebsiella spp Salmonella spp Listeria monocytogenes Legionella spp Proteus vulgaris Rhodococcus spp Serratia spp Shigella spp</p>	<p>Mycobacterium fortuitum Mycobacterium tuberculosis Mycobacterium avium Mycobacterium bovis Mycobacterium terrae</p>

VIRUCIDAL	SPORICIDAL
<p>Coronavirus (SARS) Canine parvovirus Feline calicivirus Feline infectious peritonitis Feline rhinotracheitis Adenovirus type 5</p>	<p>Newcastle Disease Equine Herpes Influenza Infectious Bursal Disease H5N1rae</p>



Marketed By :

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