



Multipurpose Broad Spectrum Farm Disinfectant



EFFECTIVE AT 1% against livestock disease-causing organisms



STABLE AND EFFECTIVE in hot and cold temperatures



EXCELLENT FOAM ADHERENCE on surfaces



NON-CORROSIVE excellent materials compatibility at 1%



READILY BIODEGRADABLE at 82% according to OCDE 301B

Approvals

Approved for disinfecting housing, livestock transport equipment (PT3) and surfaces in contact with foodstuffs and animal feed (PT4).

Composition

- Alkyl dimethyl benzyl ammonium chloride (ADBAC)
- Glutaraldehyde
- Excipients: surfactants, sq.

Product Presentations

1L, 5L, 10L, 25L, 60L and 200L

Physical and Chemical Properties

- Colour: amber solution which may intensify over time.
- Fragrance: lemon-scented
- Density ≈ 1.024
- pH of the concentrate ≈ 3.5
- pH of 1% solution ≈ 3.8

Application & Use Guidance

Disinfection Task	Dilution Rate	Application
Surfaces and Equipment	1% or 1:100 (10 ml of TH5 [®] concentrate per 1 litre of water)	Using a pressure washer or other mechanical sprayer, apply at a rate of 300 ml/m ² (or to point of "run-off") using either a foam or spray lance. Leave the surface to dry. Surfaces in contact with foodstuffs or animal feed should be rinsed with clean water. Wait until the building is completely dry before placing animals (24 to 48 hours).
Vehicles		Working from the top down, apply TH5 [®] solution using a pressure washer or other mechanical sprayer paying particular attention to the wheels, wheel arches, mudguards and any exposed chassis of the vehicle.
Boot & Wheel Dips		Fill the boot or wheel dip with the required volume of TH5 [®] concentrate and water and stir thoroughly. Ensure all persons step into the boot dip and vehicles travel through the wheel dip before entry to site or buildings. Renew disinfectant solution every 2 days or before if heavily soiled.
Cold Fogging	2.5 ml/m ³	Dilute 1:1 (1 litre of TH5 [®] concentrate with 1 litre of water). Use a mechanical mister to apply the TH5 [®] solution. Leave the building closed for a minimum of 30 minutes and allow mist to fully disperse before re-entering.
Thermal Fogging	1 ml/m ³	Dilute 1:1 (1 litre of TH5 [®] concentrate with 1 litre of water). Fill the thermal fogging machine with the required volume of TH5 [®] solution. Direct the nozzle of the fogger into the building, with the air intake situated outside of the building, and activate. Leave the building closed for a minimum of 1 hour and allow mist to fully disperse before re-entering.

Always use Personal Protective Equipment (PPE) when handling and applying chemical concentrates and in-use solutions:

Overall - chemical risk type 4 single use, Nitrile Gloves EN374, Half mask - with canisters ABEK P, Protective glasses or complete mask.



Pig Production Surface Disinfection Usage Chart

Number of pigs	Surface area	Volume of TH5® 1% solution	Volume of TH5® concentrate
Per 10 Sows	240 m ²	72 litres	72 ml
Per 100 Weaners	150 m ²	45 litres	45 ml
Per 100 Fatteners	300 m ²	90 litres	90 ml



Poultry Production Surface Disinfection Usage Chart

Floor Type	Surface area	Volume of TH5® 1% solution	Volume of TH5® concentrate
Dirt	1500 m ²	450 litres	4.5 litres
Concrete	2500 m ²	750 litres	7.5 litres

Thermal Fogging Disinfection Usage Chart

Floor area: 1000 m ²	House volume	Volume of TH5® 1% solution	Volume of TH5® concentrate
Dirt and concrete floor	3500 m ³	3.5 litres	3.5 litres

Bactericidal Efficacy data

Bacteria	Test Method	Dilution Rate (%)
<i>Campylobacter jejuni</i>	EN 1656 (4 °C & 10 °C – 5 mins)	0.1
<i>Enterococcus hirae</i>	EN 14349 (4 °C – 30 mins)	0.25
<i>Escherichia coli</i>	EN 1656 (4 °C & 10 °C – 30 mins)	0.1
<i>Mycoplasma hyopneumoniae</i>	NFT 72-180 (4 °C & 10 °C – 30 mins)	1
<i>Ornithobacterium rhinotracheale</i>	EN 1656 (10 °C - 5 mins)	0.1
<i>Pseudomonas aeruginosa</i>	EN 14349 (10 °C - 30 mins)	0.15
<i>Salmonella</i> Enteritidis	EN 1656 (4 °C - 60 mins)	0.1
	UK DEFRA (4 °C - 30 mins)	2.85
<i>Salmonella</i> Gallinarum	EN 1656 (10 °C - 30 mins)	0.2
<i>Salmonella</i> Typhimurium	EN 1656 (4 °C - 30 mins)	0.1
<i>Salmonella</i> Virchow	EN 1656 (10 °C - 30 mins)	0.1
<i>Streptococcus suis</i>	EN 1656 (10 °C - 30 mins)	0.05

Virucidal Efficacy data

Disease/Related Condition	Test Method	Dilution Rate (%)
African Swine Fever (ASF)	EN 14675 (10 °C - 30 mins)	0.3
Aujeszky's disease	NFT 72-180 (10 °C - 30 mins)	0.1
Avian Reovirus	EN 14675 (10 °C - 30 mins)	0.2
Classical Swine Fever (CSF)	EN 14675 (4 °C - 30 mins)	0.05
Feline Coronavirus	EN 17122 (4 °C - 60 mins)	0.5
Foot and Mouth Disease (FMD)	UK DEFRA (4 °C - 30 mins)	0.5
Infectious Bronchitis (IB)	NFT 72-180 (20 °C - 30 mins)	0.2
Infectious Bursal Disease (IBD)	EN 14675 (10 °C - 30 mins)	0.5
Influenza virus: H1N1, H7N1, H7N9, H5N1	EN 14675 (10 °C - 30 mins)	0.1
Marek's Disease	NFT 72-180 (10 °C - 30 mins)	0.1
Newcastle Disease (ND)	EN 14675 (4°C - 30 mins)	0.25
	UK DEFRA (4°C - 30 mins)	1.33
Porcine Circovirus type 2 (PCV2)	EPA Compliant (20 °C - 30 mins)	1
Porcine Epidemic Diarrhoea (PED)	EPA Compliant (10 °C - 60 mins)	0.5
Porcine Parvovirus	EN 17122 (10 °C - 120 mins)	1
Porcine Reproductive and Respiratory Syndrome (PRRS)	EN 14675 (10 °C - 30 mins)	0.1
Poxvirus	NFT 72-180 (20 °C - 30 mins)	0.1

Fungicidal & Yeasticidal Efficacy Data

Fungi & Yeast	Test Method	Dilution Rate (%)
<i>Aspergillus brasiliensis</i>	EN 1657 (10 °C - 30 mins)	0.5
<i>Aspergillus fumigatus</i>	EN 1657 (10 °C - 30 mins)	1
<i>Candida albicans</i>	EN 16438 (20 °C - 120 mins)	0.1
<i>Trichophyton mentagrophytes</i>	EN 16438 (10 °C - 60 mins)	0.5
<i>Trichophyton verucosum</i>	EN 16438 (10 °C - 60 mins)	1



Energizing Chemistry

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