

DeterBio®

Powerful Alkaline Cleaner

LANXESS
BIOSECURITY
SOLUTIONS



**EXCELLENT FOAM
ADHERENCE**
on surfaces



**POWERFUL
DETERGENCY
ACTION**



**APPROVED
FOR ORGANIC
FARMING**



**SAVES TIME
AND WATER**
on cleaning operations



DEEP CLEANS
surfaces to optimise
disinfection

The powerful alkaline formulation of DeterBio® multipurpose heavy-duty cleaner has been specifically developed to provide excellent foaming properties to quickly remove caked-on faecal matter and heavy organic soiling, especially fats and greases, from the surfaces and equipment associated with:



Livestock Housing



Farm Buildings



Pig & Poultry Production



Processing Plants



Hatcheries

Applications

DeterBio® can be used to clean equipment and hard surfaces including metal, wood, plastic, concrete, feeders, drinkers etc.



General Properties

The powerful formulation of DeterBio® is an alkaline cleaning concentrate which offers:

- Powerful cleaning and degreasing properties
- Excellent foam adherence to surfaces and equipment
- Approval for use in organic farming environments
- Good materials compatibility
- Free from colourants and fragrances

Composition

A synergistic blend of anionic and non-ionic surfactants in an aqueous solution incorporating sodium hydroxide, solvent and sequestrant sq. excipients.

Physical and Chemical Properties

- Colour: Amber
- Odour: Odourless
- Density \approx 1.09
- pH of the concentrate \approx 13.5
- pH of 2% solution \approx 12.5

Environmental Profile

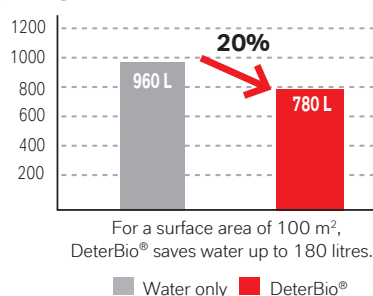
In line with LANXESS' commitment to provide environmentally sustainable solutions, DeterBio® has been formulated using actives which have been carefully selected for their environmental profile, such as biodegradability. The formulation complies with the biodegradability requirements laid down by the European regulation on detergents (648/2004/EC) and is readily degradable at 93% in 28 days according to OCDE 301A. Clear instructions for use and disposal are provided.

Instructions for Use

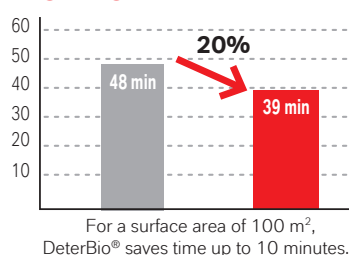
1. Dry clean all surfaces and equipment.
2. Pre-soak all surfaces with clean water, at low pressure, and leave for minimum of 2 hours prior to commencing the application of the DeterBio® detergent solution.
3. Prepare a stock solution of 2% (1:50 dilution) of DeterBio® or calibrate your dosing equipment to achieve the required dilution. Higher concentrations may be required for use under heavily soiled conditions.
4. Using a foaming lance, apply DeterBio® to all surfaces at an application rate of 300 ml/m². Allow a contact time of 20 minutes before thoroughly rinsing all surfaces with clean water at low to medium pressure.

Operational benefits: save water & time on cleaning procedures

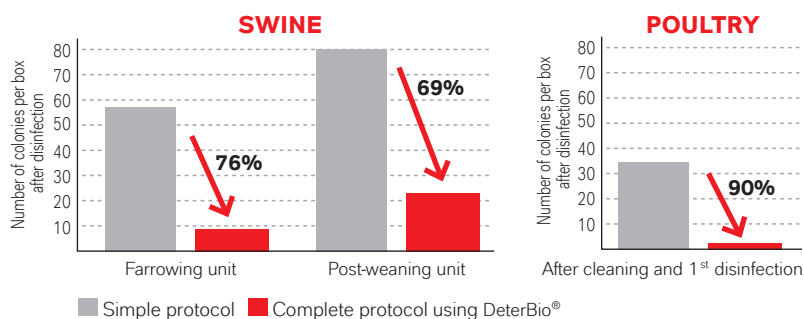
SAVES WATER:



SAVES TIME:



Optimise disinfection efficacy



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Poultry Production Surface Usage Chart

Floor surface area	Total surface area	Volume of 2% DeterBio® solution	Volume of DeterBio®
1000 m ²	2500 m ²	750 litres	15 litres



Pig Production Surface Usage Chart

Number of pigs	Total surface area	Volume of 2% DeterBio® solution	Volume of DeterBio®
Per 100 sows	240 m ²	72 litres	1.4 litre
Per 100 weaners	150 m ²	45 litres	0.9 litre
Per 100 fatteners	300 m ²	90 litres	1.8 litre

Storage

- Store in a cool dry place.
- Do not allow contact with acids.

Disposal

Dilute small quantities to waste water, via a foul sewer or other treatment facility in accordance with local water authority regulations.

Shelf Life

Concentrate 3 years. Diluted product up to 4 hours, if unused.

Packaging

Available in 5L, 25L, 200L containers, approved to UN Standards.

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

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The specified uses and registered claims for the product may vary from country to country. Please contact LANXESS to verify country-specific approved uses.

Always read the label and product information before use.
Dangerous product. Respect precautions for use. For professional use only.