



# HALAMID® IN CATTLE FARMING

In intensive farming, the high density of animals increases the risk of diseases. Buildings, equipment and lorries, when not properly cleaned and disinfected are responsible for transmission of pathogenic microorganisms.

The excellent efficacy of Halamid® against problematic bacteria and viruses in cattle farming is confirmed by various laboratory tests and field trials.

Halamid® covers all possible areas you need to disinfect in your farm - animal houses, equipment, vehicles and footbath. Farmers successfully apply it by spraying, nebulisation or (thermo)fogging. In the dairy industry, Halamid® is used to disinfect cow teats as well as the milking equipment.

## HALAMID®, A UNIQUE PRODUCT

- Large activity spectrum
- Non corrosive in solution for materials
- Easy to use and versatile
- Stable
- Readily biodegradable
- No risk of building up resistant microorganisms

## EFFICACY

Halamid® is effective against many bacteria and viruses related to intensive farming applications. **A few of them are indicated below, but the complete activity spectrum of Halamid® is much wider.**

### Bacteria

*Enterobacteria*  
*E. coli*  
*Listeria*  
*Pseudomonas sp*  
*Salmonella sp*  
*Staphylococcus aureus*  
*Streptococcus faecalis*

### Viruses

Aujeszký disease virus  
 ECBO virus (orphan virus)  
 Foot and mouth disease virus  
 Pox virus  
 Vaccinia virus

## RECOMMENDED CONCENTRATIONS

Application	Concentration	Remark
Surface and building disinfection by spraying	0.5%-1%	0.3 L/m <sup>2</sup>
Surface and building disinfection by nebulization	2%-3%	40-50 ml/m <sup>3</sup>
Vehicle disinfection	1%	
Water system disinfection	0.5%	Rinse with clean water
Footbath	2%	Renew as often as needed
Cow teat disinfection	0.3%	
Milking equipment disinfection	0.3%-0.5%	Rinse with clean water

## APPLICATIONS

### General disinfection rules

Always remember that cleaning is a required preliminary step before disinfection to ensure the best results.

Without proper cleaning, dirt and organic matter protect microorganisms against the killing effect of the disinfectant, resulting in an incomplete operation.

Start by dry cleaning to remove most of the organic matter, followed by cleaning with water or a detergent solution. Once it is done, disinfect with Halamid®.

Halamid® is always applied as an aqueous solution: simply dissolve the Halamid® in clean water at the required concentration.

### Surfaces and building disinfection

Between production cycles, when the buildings are empty, clean thoroughly and then disinfect with a Halamid® solution, applied by spraying, nebulization or fogging.

For spraying, use 0.3 L/m<sup>2</sup> of a Halamid® solution at a concentration of 0.5-1%. Multiply the floor space by 2.5 to obtain the total surface area (including walls and ceiling) of the building.

### Nebulization and fogging

When the animal house is equipped with a water nebulization system, building disinfection with Halamid® solution fogged through this equipment proved not only to be very effective but also easy to apply and cost efficient.

Fog a Halamid® solution at a concentration of 2-3% with a recommended volume of 40-50 mL/m<sup>3</sup>. Despite a higher concentration needed this system remains economically attractive because of the low total quantity of Halamid® required to achieve an effective disinfection.

### Truck disinfection

Trucks contribute significantly to transmission of diseases from farm to farm. Make sure all vehicles are well disinfected (including the wheels) with a 1% Halamid® solution prior entrance to the farm.

Halamid® is particularly interesting for this application as solutions are non corrosive to materials and the product is active even at low temperature.

### Footbath

A footbath should be placed at the entrance of each building and everybody must use it. A 2% Halamid® solution is prepared and refreshed as often as needed (generally twice a week, but it depends on the soiling of the solution).

### Water system disinfection

Safe drinking water is a very important parameter for the animal well-being and should not be overlooked.

When the building is empty, run a 0.5% Halamid® solution through the water system for 30 min and then rinse with clean water.

Halamid® can also be used to disinfect drinking water. Refer to the relevant information on this specific application.

### Cow teat disinfection

Cow teats are disinfected with a 0.3% Halamid® solution, after each milking, or once a day for non-lactating cows. Disinfect with either a pure Halamid® solution in water or with a Halamid® based formulation.

In order to improve the overall result and minimize contamination risk, milking equipment is also disinfected with Halamid® and the farmer should disinfect hands while handling cow by dipping them into a 1% Halamid® solution.

### Milking equipment disinfection

Due to the high amount of organic matter, milking equipment is a perfect place for microbial development and thorough disinfection is required on a frequent basis.

Start by cleaning the equipment and then use a Halamid® solution at 0.3-0.5% with a contact time of at least 5 min. Continue by rinsing with clean water.

Studies show that Halamid® has advantages over other active chlorine disinfectants, as its killing effect is better preserved in presence of organic matter. In addition Halamid® forms much less toxic organic chlorine compounds (by reaction with milk residues) compared to hypochlorite and triisocyanurate.

**Use biocides safely.  
Always read the label  
and product information  
before use.**

**Halamid® is an  
Axcentive product  
available in various  
packages, from  
1kg buckets to  
1000 kg big bags.**

**axcentive**

For more information,  
please contact Axcentive  
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email: [info@axcentive.com](mailto:info@axcentive.com)  
or visit our website  
[www.halamid.com](http://www.halamid.com)

The use of Halamid® as a disinfectant may be submitted to local legislation and a registration may be required. Please check with your local authorities or contact us to check about the registration status in your country.

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