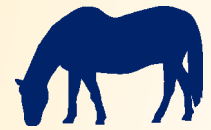
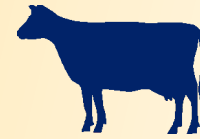




Disinfectant Powder

TOSIL® farm powder



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

INFORMATION

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 TOSIL farm against problematic bacteria and viruses in farm and veterinary disinfection is confirmed by numerous laboratory tests and field trials. TOSIL farm is a livestock disinfectant that can be used in all areas that possibly need disinfection: animal houses, equipment, vehicles and footbaths. Farmers successfully apply this livestock disinfectant by spraying, nebulisation or fogging.

TOSIL farm is tested according to EU standards and found effective. It is a highly effective, safe and sustainable surface disinfectant for use in prophylaxis, standard and special disinfection.

EFFICACY

TOSIL farm 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 TOSIL farm is much wider.

Bacteria

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

Viruses

Aujeszky disease virus
ECBO virus (orphan virus)
Foot and mouth disease virus
Pox virus
Vaccinia virus
H1N1 / H5N2 / H5N1

ADVANTAGES

- Large activity spectrum against bacteria viruses, fungi and spores
- Non corrosive in solution for materials
- Easy to use and versatile
- Stable
- Readily biodegradable without dangerous by-products
- No risk of building up resistant microorganisms
- Non - toxic
- No aldehyde, no phenols

RECOMMENDED CONCENTRATIONS

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



APPLICATION

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 TOSIL solution.

TOSIL farm is always applied as an aqueous solution: simply dissolve the powder in clean and fresh water at the required concentration.

Surfaces and building disinfection

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

For spraying, use 0.3 L/m² of a TOSIL 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 TOSIL solution fogged through this equipment proved not only to be very effective but also easy to apply and cost efficient.

Fog a TOSIL solution at a concentration of 2-3% with a recommended volume of 40-50 mL/m³. Despite a higher concentration needed this system remains economically attractive because of the low total quantity of TOSIL 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% TOSIL solution prior entrance to the farm.

TOSIL is particularly interesting for this application as solutions are non corrosive to materials and the product is active even at low and high temperatures.

Availability

TOSIL farm tablet	tablet of 2.5 g
TOSIL farm sachet	sachet of 100 g
TOSIL farm bucket	bucket of 7 kg
TOSIL farm drum	drum of 25 kg

Footbath

A footbath should be placed at the entrance of each building and everybody must use it. A 2% TOSIL 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% TOSIL solution through the water system for 30 min and then rinse with clean water.

Cow teat disinfection

Cow teats are disinfected with a 0.3% TOSIL solution, after each milking, or once a day for non-lactating cows. In order to improve the overall result and minimize contamination risk, milking equipment is also disinfected with TOSIL and the farmer should disinfect hands while handling cow by dipping them into a 1% TOSIL 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 TOSIL solution at 0.3-0.5% with a contact time of at least 5 min. Continue by rinsing with clean water. Studies show that TOSIL has advantages over other active chlorine disinfectants, as its killing effect is better preserved in presence of organic matter. In addition TOSIL forms much less toxic organic chlorine compounds (by reaction with milk residues) compared to hypochlorite and triisocyanurate.

Agent: Sodium p-toluenesulfonchloramide (Chloramin-T)

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

The use of TOSIL farm as a disinfectant may be submitted to local legislation and a registration may be required. Please check with your local authorities.

The information presented herein is true and accurate to the best of our knowledge, but without any guarantee unless explicitly given. Since the conditions of use are beyond our control, we disclaim any liability, including infringement,

incurred in connection with the use of these products, data or suggestions. September 2016

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