

PROPHYL[®] S

Biosecurity solutions



Keep your animal housing free from pathogens

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Biosecurity solutions

Surface disinfectant
Bactericidal, yeasticidal, virucidal, fungicidal, mycobactericidal, cryptosporicidal, coccidiocidal

Special biosecurity disinfectant for livestock farming, vehicles and footpads
Biocide PT3 - Professional use only

Soluble liquid concentrate containing (in % mass):
Chlorine (CAS 78-09-7) 13.0
Sodium met. CAS 79-14-1 4.9

Application rates and efficacy
Dilution for use in livestock farming buildings and equipment (PT3)

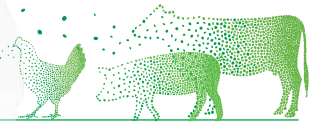
Pathogen	Concentration	Exposure time	Temperature
Bactericidal	1.0%	30 min	20°C
Fungicidal	1.0%	30 min	20°C
Virucidal	1.0%	30 min	20°C
Mycobactericidal	1.0%	30 min	20°C
Cryptosporicidal	1.0%	30 min	20°C
Coccidiocidal	1.0%	30 min	20°C

Deposition des produits sur les surfaces (PT3)

Surface	Concentration	Exposure time
Concrete	0.2%	30 min
Wood	0.2%	30 min
Plastic	0.2%	30 min
Metals	0.2%	30 min

Use instructions:
Do not apply on surfaces in contact with food or feed. Do not use on equipment, drink or feed containers (paraffin, metal, wood, plastic, etc.). Clean the application equipment with water.

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PRODUCT PRESENTATION

- The ideal disinfectant to strengthen biosecurity in farms
- Proven efficacy on oocysts, viruses, bacteria, mycobacteria, fungi, ascaris and yeasts
- Active in the presence of organic matter
- Long lasting efficacy

Prophyl[®] S is the essential biocide to set up biosafety barriers in all types of livestock farms, particularly in a highrisk health situation. It can be used to fight all types of pathogens, including any implicated in neonatal diarrhoea. It even remains active in the presence of organic matter. Prophyl[®] S is a wide-spectrum with long lasting efficacy disinfectant to use against bacteria, yeast, mycobacteria, fungus and viruses, equally effective in a 2% solution over 2 hours on protozoan oocysts (*Eimeria* and *Cryptosporidium parvum*) and Ascaris.

CHARACTERISTICS

Synergistic combination of a chlorinated phenolic compound (chlorocresol) and glycolic acid:

- **Disinfectant properties**

The lipophilic properties of chlorocresol combined with the keratolytic power of glycolic acid help Prophyl[®] S to eliminate all types of microorganisms while it is also much more effective on microorganisms protected by thick membranes (Gram- bacteria, fungus, mycobacteria, oocysts, ...) and remains active even in the presence of organic matter.

- **Surfactant properties**

Its wetting and emulsifying power, due to its tensioactive agent, means that Prophyl[®] S can impregnate and stick to organic matters, thereby avoiding dissemination of microorganisms.

- **The acidic pH optimises the disinfectant properties.**

COMPOSITION

Soluble liquid concentrate containing:

- Chlorocresol (CAS 59-50-7): 17.0% (m/m)
- Glycolic acid (CAS 79-14-1): 4.9% (m/m)

EFFICACY

Disinfection of livestock farming buildings and equipment (PT3)	
Bactericidal (4 reference strains): according to EN 14349, 10 °C, 30 minutes, high soiling level conditions	1.0% (1:100)
Yeasticidal (<i>Candida albicans</i>): according to EN 16438, 10 °C, 60 minutes, high soiling level conditions	1.0% (1:100)
Fungicidal (<i>Aspergillus brasiliensis</i>): according to EN 16438, 10 °C, 60 minutes	1.5% (1:67)
Mycobactericidal (<i>Mycobacterium avium</i>): according to EN 14204, 10 °C, 60 minutes	1.5% (1:67)
Virucidal (ECBO virus): according to EN 14675, 10 °C, 30 minutes	2.0% (1:50)
Cryptosporicidal and Coccidiocidal*:	2.0% (1:50)
Ascaris suum*:	2.0% (1:50)

* According to the DVG methodology following the ECHA guide and run by an independent BPL laboratory.

A 2% Prophyl[®] S solution reduces the oocyst population by 98,9%

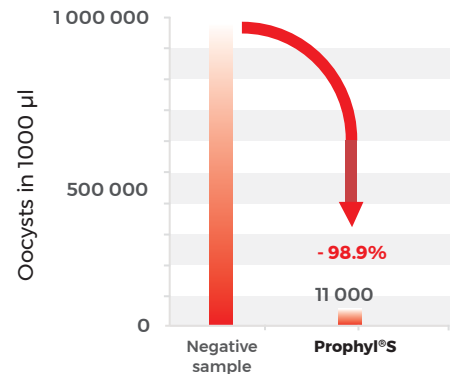
In 2 hours at 10°C and 20°C

compared to a water control.

Method: PCR (Polymerase Chain Reaction). Analysis of *Cryptosporidium parvum* specific gene.

According to the DVG* criteria, the 95% reduction threshold of the *Cryptosporidium parvum* population is reached, Prophyl[®] S is active on *Cryptosporidium parvum* and *Eimeria spp.*

* (Deutsche Veterinärmedizinische Gesellschaft)



INSTRUCTIONS FOR USE

Use Prophyl[®] S each time animal buildings are cleaned.

First disinfection

Spraying the surfaces, disinfecting against bacteria, yeast, fungus and viruses:

- Dilute **Prophyl[®] S** in water into a **1-2%** (1:100 to 1:50) solution, depending on the desired effect, either 1 or 2 litres for 100 litres of solution.
- Spray the solution on surfaces (walls, floors and ceilings) and equipment at low pressure, using 200 to 300 ml per m² (close to runoff).
- Leave it to work for 30 to 60 minutes depending on the chosen effect.
- Increase contact time in low temperatures.

Coccidia and Cryptosporidium prevention

Prepare a **2% Prophyl[®] S** solution (1:50). Spray solution on previously washed floors and walls (up to animal height) using 0.4 litre per m² of surface on concrete floors and 0.5 litre per m² of surface on dirt floors. Leave it to work for at least 2 hours.

- Recommendation: apply **Prophyl[®] S** on kennels and calf pens. Regular clearing of animal buildings and disinfection is required to remove parasites.

Soaking small equipment

Prepare a **1-2% solution of Prophyl[®] S** in water (1:100 to 1:50) depending on the desired effect, either 1 or 2 litres for 100 litres of solution.

- Immerse clean materials and small equipment in the solution.
- Scrub the materials and equipment.
- Leave it to work for 30 to 60 minutes depending on the chosen effect. Rinse in water.

Surroundings disinfection

Prepare a **2% Prophyl[®] S** solution (1:50). Spray the solution using 300 to 500 ml per m².

Pre-disinfection in high risk situation

Spray the **2% Prophyl[®] S** solution at low pressure, using 300 ml to 500 ml per m² directly on the surfaces, prior to any intervention. Leave it to work for 12 to 24 hours before any other intervention.

Footdips and wheeldips

- Use at **2% (1:50) Prophyl[®] S** solution: 2 litres for 100 litres of water.
- Foresee footdips capacity of 10 to 15 litres with a 10 cm height minimum

Fill footdips with **Prophyl[®] S** solution and put them at the entrance of each building in a location sheltered from adverse weather conditions.

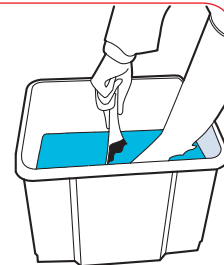
Fill the foot bath with 10 litres of water and add 0.2 litre of **Prophyl[®] S**. Mix well.



Using a hard brush, thoroughly clean all boots and particularly the soles before using the foot bath.



Dip the boots in the disinfectant solution and use a soft brush to ensure that it is applied thoroughly to the soles.



- **Let the solution act for 1 minute minimum at 10 °C.**
- Change the disinfectant solution once or twice a week depending on the organic load of the solution.

Wheeldips: the recommended size is 30 cm high, 4 to 6 m long and 4 m wide.

Vehicles must cross the rotoluve slowly, to avoid overflow.

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Disinfection of vehicles for animal transportation

Vehicles have to be firstly washed with a cleaner solution, ensure good rinsing before applying **Prophyl[®] S**.

- Use a **2% (1:50) Prophyl[®] S** solution : 2 litres for 100 litres of solution.
- Spray the solution on vehicle at the rate of 200 to 400ml/m² to the point of run-off.
- **Let act for 5 minutes minimum at 10 °C.**

IN PRACTICE

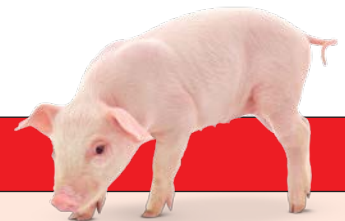
For small areas, use a sprayer equipped with a low-pressure but high-flow brush nozzle, which allows the formation of large drops to wet the surfaces. Prophyl[®]S can also be used with a foam gun.

Indicative table of disinfectant quantities To be used for spraying*



POULTRY FARMS (concrete floor)

Spraying	Building characteristics	Disinfectant solution			
		Quantity of water 0.5 litre / m ²	Quantity of Prophyl [®] S Spraying at 2%	Quantity of water 0.3 litre / m ²	Quantity of Prophyl [®] S Spraying at 2%
	Overall surface area				
Hens/Turkeys 400 m ² floorspace	1 100 m ²	550 litres	11 litres	330 litres	6.6 litres
Hens/Turkeys 1000 m ² floorspace	2 600 m ²	1 300 litres	26 litres	780 litres	15.6 litres



PIG FARMS

Spraying	Building characteristics	Disinfectant solution			
		Quantity of water 0.5 litre / m ²	Quantity of Prophyl [®] S Spraying at 2%	Quantity of water 0.3 litre / m ²	Quantity of Prophyl [®] S Spraying at 2%
	Overall surface area				
Farrowing (10 sows)	264 m ²	132 litres	2.6 litres	80 litres	1.6 litres
Post weaning (100 piglets)	225 m ²	113 litres	2.3 litres	70 litres	1.4 litres
Fattening (100 pigs)	410 m ²	205 litres	4.1 litres	120 litres	2.4 litres



CATTLE FARMS

Spraying	Building characteristics	Disinfectant solution			
		Quantity of water 0.5 litre / m ²	Quantity of Prophyl [®] S Spraying at 2%	Quantity of water 0.3 litre / m ²	Quantity of Prophyl [®] S Spraying at 2%
	Overall surface area				
Nursery 10 places	100 m ²	50 litres	1 litre	30 litres	0.6 litre
Other: for 100 m ² floorspace	300 m ²	150 litres	3 litres	90 litres	1.8 litres

* All technical data (surfaces and volumes) given in these tables have guide values and must be calculated on a case by case basis prior to application.



STORAGE CONDITIONS AND USE

- It can be kept for 3 years in its original packaging, closed and stored in a dark place, avoiding extreme temperatures.
- Do not reuse the packaging.
- Clean the application equipment with water.
- Do not apply to surfaces in contact with foodstuffs.
- **Prophyl[®]S** should be applied with the personal protective equipment: protective waterproof suit covering the whole body, gloves, safety glasses and respiratory mask.
- Close the can properly after each use.

REGULATORY

- Biocide PT3
- Not classified hazardous for the environment according to the CLP regulation
- Not concerned by the ICPE storage limits

PACKAGINGS

- Box of 12 x 1 litre cans
- Box of 4 x 5 litres cans
- 20 litres can
- 200 litres drum



Use biocides with caution. Consult the safety data sheet and the label before any use.
Professional use only.

