



**TIXAR[®] dry litter disinfectant
and conditioner product**

 **KISANALITIKA**

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TIXAR[®] efficient litter disinfectant and conditioner product

Ingredients

Biocide active ingredient: chloramine-T

Chalk powder

Admixtures

Goal and mode of action

The weekly use of TIXAR[®] litter hygiene powder provides unfavourable conditions for the proliferation of pathogens. TIXAR[®] has a dual impact: (1) it dries the litter; (2) its biocide active ingredient disinfects, therefore reinfection from the litter can be minimised.

Spectrum of use

TIXAR[®] is an efficient supplement to any existing cleaning and disinfecting technologies in poultry houses.

Advantages

- (1) Because of the way it works TIXAR[®] does not affect people, animals or the environment. Phosphate free, with a favourable pH range, it does not affect metal fixings, flooring and does not dry out the skin of animals coming into contact with it.
- (2) Due to its special composition TIXAR[®] floats in air for hours, therefore it penetrates into all small cavities and inaccessible parts of the technology.
- (3) TIXAR[®] efficiently absorbs ammonia, thereby helping to keep down unpleasant smells and preventing generation of greenhouse gases.
- (4) TIXAR[®] has disinfecting effects.
- (5) Thanks to fragrances and active ingredient in TIXAR[®], some insects are kept away.

Flotation profile of TIXAR® in air



CHLORAMINE-T based broiler-house sanitiser technology with the use of TIXAR®

Steps		Process description
Before reception of broilers		
1.	Dry cleaning of the facility, old litter removal	Thorough cleaning, litter and dung must not be left in the broiler house.
2.	Wet cleaning	Caustic and acid wash must be carried out in the emptied and cleaned broiler house.
3.*	Disinfection	In order to avoid the development of resistance quarterly or semi-annually rotation of disinfectants is necessary.
4.	Hygiene sampling and analysis	Verification of disinfection efficiency using hygienic tampon and absorptive boot swab patterning.
5.*	Application of chloramine-T	The active ingredient of TIXAR® is chloramine-T which is an universal, broad-spectrum disinfectant. It is recommended to treat surfaces with 2.5% water solution of chloramine-T before using TIXAR®.
6.*	Application of TIXAR®	Use power mist-duster or other equipment. Dose: 100 g/m ² (100 kg/1000m ²).
7.	Littering	Pasteurised litter pellet is recommended.
8.	Final preparation of the broiler house	Heating and preparation for the reception of day-old poultry.
9.	Fumigation	Use liquid or gas fumigation equipment.
During rearing		
10.	One week following the placement of broilers TIXAR® needs to be sprayed by a rotary spreader	Dose: 75 g/m ² (75 kg/1000 m ²). It can be applied in the presence of the flock.
11.	Weekly use during the growing period	Dose: 100 g/m ² (100 kg/1000 m ²) It can be applied in the presence of the flock.

* In order to reach the optimal effect of the disinfectant clean and dry surface is necessary.



Optimal TIXAR® technology must be developed according to specific characteristics of the facility.

In order to maximise efficiency it is necessary to adhere to the Principles of Hygiene and Disease Control.



Principals of Hygiene and Disease Control

- (1) Fenced site perimeters:** Minimum 150 cm continuous fence (wire netting with column fixing) and lockable gate.
- (2) Disinfection of vehicles:** Incoming vehicles must be washed and disinfected with high pressure washer (foam injector). This washer can also be used for cleaning and disinfecting silos and other equipment.
- (3) Availability of „dirty and clean” changing room system:** If the facility does not have such separate premises it must be arranged.
- (4) Disposal of dead birds:**
 - I. The dead birds' storage building must be located right next to the fence
 - II. The storage building must be emptied from the outer areas
 - III. The storage building must have a solid, washable and disinfectable surface
 - IV. The storage building must have an independent sewer hole
 - V. Leak proof, lockable and easily disinfectable containers or boxes must be used for storing dead birds
 - VI. Must have a contract for the disposal of dead birds with a service provider
 - VII. Records and related bills of lading of dead animals must be kept
- (5) Hand and foot sanitation:** Placement of footdip and handwash with approved disinfectants is necessary.
- (6) Enter into the broiler house:** Hygiene barrier with footwear changing is necessary.
- (7) Broiler houses, dead animal, litter and feedstock storage buildings and silos must be prevented** from the access of rodents and feral animals.
- (8) Hygiene criteria for feedstock storage:**
 - I. Flooring of feedstock storage areas and silos must be equipped with well-cleanable concrete surfaces.
 - II. Feedstock can only be transported on vehicles equipped with closed containers and boxes.

The broiler-house sanitiser technology was prepared by the leading Hungarian poultry company, **Baromfi-Coop Ltd.** with the co-operation of **KISANALITIKA Ltd.**





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