

DESIGNED TO  
DECONTAMINATE



# prophyl®

FAST ACTING

MARKET LEADER

*Prophyl will improve your farm hygiene and reduce the danger of diseases.*

Maximum Protection

Persistent Action

Economical

Biodegradable

Non-corrosive

Safe to use

Very broad spectrum activity against viruses, bacteria, Mycoplasmas, Spores and Fungi, including:

- Trichoderma Viride
- Mycogone Perniciosa
- Mycobacterium Tuberculosis
- Escheria Coli
- Streptococcus Faecalls
- Bacillus Anthracis
- Foot & Mouth Disease Virus
- Swine Fever Pest Virus
- Myxomatosis Virus

**Advantages:**

*Prophyl* is an advanced type of disinfectant, combining synthetic phenolic derivatives with activators and detergents.

- Clear bluish liquid with a slight fragrant scent and dissolves in water instantly
- All purpose DISINFECTANT/DETERGENT
- Completely biodegradable in waste water
- Does not corrode equipment or plastics in diluted form. Completely harmless and extremely pure active constituents are used in its manufacture.
- Near neutral when diluted and free from soda. This ensures the active ingredients have a prolonged action and do not breakdown into phenates readily, contrary to the usual action of other phenolic derivatives, reducing their effectiveness.
- Clean and practical product
- Non-irritating to skin using 2%-5% solution.
- Stable at high temperatures
- Remains active in the presence of organic material
- Low use level of 0.4%, therefore very economic
- Compatible with organophosphoric insecticides

*Available in three sizes: 5, 20 & 60 litre containers*

## Activity:

**Bacterial, fungicidal and viricidal effect:** Detailed biological tests show that *prophyl* has an effective bacterial effect at a concentration of 0.2% within 5 minutes. There is no change in activity of prophyl in the presence of organic matter.

**Detergent action:** Due to balanced hydrophilic and lipophilic properties, *prophyl* penetrates surfaces to be treated, even if greasy, with a combined detergent action and disinfection action. Even in hard water areas, rinsing of floors is not necessary as the active film which ensures the persistent action of *prophyl* is invisible.

### Degradation activity in % (normal residual water= 100%)

Concentration of Prophyl in p.p.m					
TIME	200	500	1000	2000	4000
1 Day	88%	85%	75%	65%	60%
5 Days	100%	95%	90%	85%	85%

**Biological degradation:** Completely bio-degradable in waste water. As the table above shows 200ppm prophyl is completely broken down in 5 days. This means also in practice that a solution of 0.4% washed away with waste should not cause any pollution.

**Compatibility:** Compatible with organophosphate and pyrethrin insecticides because of the absence of an alkaline reaction (contrary to the usual action of many phenolic derivatives).

**Toxicity:** Total absence of toxicity for humans and animals when prophyl is used at recommended doses.

**Shelf Life:** When stored in the dark and when pack is well closed prophyl has an unlimited shelf life.

**Deodorization:** Works as a deodorant not by replacing unpleasant smells with another smell, but by destroying putrefactive fermentations.

## Directions for use:

### Cleaning- Disinfecting empty houses between cycles

Remove mobile equipment and clear house of any organic material such as compost, mushrooms and casing etc. Sweep dust clear. High pressure hose all inside surfaces including floors, ceilings, walls, ventilation ducts and any fixed equipment such as empty shelves. Whilst the surfaces are still wet, spray with a 0.4% solution of prophyl at the rate of 1 litre prophyl in 250 litre of water per 1250m<sup>2</sup> of surface area to be treated. Do not rinse off but allow to dry. Houses so treated may be filled again after 12 hours. If virus is suspected, a 0.5% solution is recommended where areas to be treated are in contact with organic matter.

### Cleaning- Disinfecting equipment, vehicles etc

Clean equipment with water and soak in a 0.4% solution of prophyl for 5 minutes before rinsing in water again.

### Outside concrete surfaces

These can be sprayed with a 0.2% solution prophyl at the rate of 1 litre prophyl in 500 litre water to treat 1250m<sup>2</sup>.

### Disinfection of occupied areas

Floors of growing houses containing shelves or trays must be cleaned with 0.2% solution prophyl on a weekly basis but under no circumstances should prophyl come into contact with the shelves, trays, mushrooms or casing during cropping.

### End of crop

The house may be fogged at this stage with 1 litre of prophyl in 5 litre water per 1000m<sup>3</sup>. Houses to be fogged must be sealed and in contact with gaseous prophyl for at least one hour to ensure optimum results.

### Footdips

Use a 0.5% solution prophyl (1 litre in 200 litre water). Area surrounding the foot dip should also be sprayed at this concentration.

### Safety

Wear protective clothing and rubber gloves when applying prophyl. If prophyl comes into contact with eyes or skin wash off with copious amounts of water. Do not allow residues to contaminate streams or ditches.