

# Omnicide<sup>TM</sup>

For Complete Bio-Security

## POULTRY

The **Original** Broad Spectrum  
Animal Health Disinfectant  
Containing Glutaraldehyde  
and Cocobenzyl Dimethyl  
Ammonium Chloride.



Omnicide<sup>TM</sup> is made in the UK by Mirius<sup>TM</sup>

# Omnicide<sup>TM</sup>

## For Complete Bio-Security

Omnicide<sup>TM</sup> is the original synergistic blend of Glutaraldehyde and Quaternary ammonium using Coventry Chemicals Ltd discovery Coco Benzyl Dimethyl Ammonium Chloride. For over 30 years Omnicide<sup>TM</sup> has led the way and set new standards in biosecurity measures for all types of poultry farms. Omnicide<sup>TM</sup> can be used in all areas of poultry production (depending on local legislation). It does not need to be rotated and helps reduce the need for other products on the farm.

- Disinfection for all areas of poultry and hatchery production
- Approved and recognised by governments worldwide
- Proven long residual activity
- Ideal disinfectant to follow the use of Omniclean<sup>TM</sup>
- Effective against virus, bacteria, fungi and moulds
- Non corrosive in dilution
- Active in the presence of organic matter
- Fast Acting
- Effective in both cold and warm conditions



All disinfectants are at their most effective on a clean dry surface. The aim in all biosecurity programmes is to reduce the microbial loading significantly before the application of a disinfectant.





# FARM

**Walls, floors, equipment** – Omnicide™ can be applied to all clean surfaces as the final disinfection at the rate of 1:125 (Defra approval for poultry diseases) following the use of Omniclean™ or OmniGel™. It can be applied by using a washing lance at low pressure. If a foaming lance is used the product will produce a light foam covering all surfaces giving a longer contact time and visibility of coverage.

**Foot baths** – Should be appropriate, preferably covered to protect the disinfectant from rain and UV light from the sun. They should be changed every 2-3 days. Always clean the foot wear of all organic matter before stepping into the foot bath. Omnicide™ should be added to the footbath at a dilution of 1:100.

**Drinker systems** – Omnicide™ can be successfully used for the terminal cleaning of drinker lines. For the removal of deposits and biofilm. First drain the system. Add a dilution of Omnicide™ at 1:150 to the whole system. Allow to stand for a minimum of one hour. Drain the system and flush with clean water.

**Fumigation** – For the final disinfection Omnicide™ is a safe alternative to formaldehyde as a fumigant for the building. It can be applied by cold fogging/misting or using a thermal fogger. Omnicide™ does not need the addition of a fogging agent.

**Cool pads** – The importance of cleaning and disinfecting the cool pad system cannot be under estimated. The water system can build up biofilm and the pads can become blocked and harbour disease.

It is recommended to thoroughly clean the system at the end of each batch and on a quarterly basis in laying houses.

## How to clean the Farm

1. Remove all organic matter out of the building and away from the farm in covered vehicles
2. Sweep all dust and material from beams, air inlets, fan shafts etc. Starting at the top of the building and working downwards to the floor and from one end to the other.
3. Drain water system and clean with Omnicide™ at a dilution of 1:150. Leave for 3 hours. Drain system and flush with clean potable water.
4. Pre soak all surfaces and equipment with Omniclean™ or OmniGel™ applied through a foaming lance at a dilution of 1-2%. And 5% for OmniGel™. Starting at the floor and working upwards.
5. Leave to soak for 15 mins. Wash with clean water under pressure. Starting at the roof and working down to the floor and end to end.
6. Allow surfaces to dry.
7. Apply Omnicide™ under low pressure at a dilution of 1:125 to all surfaces and allow to dry.
8. Install foot baths at entrance to house and bring clean disinfected equipment back in to house.
9. Spread clean litter or re install slats. Then fumigate house by either cold or thermal fogging.

N.B The above programme is designed as a guide. As every farm can vary. Please consult manufacturer for individual requirements.



**Vehicles** – Omnicide™ is an ideal disinfectant for all vehicle sprayers. It is non corrosive, fast acting and has a residual action. All vehicles entering and leaving the farm should be thoroughly sprayed with particular attention to the wheel arches. In the sprayers use at a dilution of 1:125 and in the wheel dips use at a dilution of 1:100 (change solution every 2-3 days or when high levels of organic matter are present and after heavy rain).

**Litter** – Omnicide™ can be sprayed onto the litter (wood shavings, chopped straw, rice husks etc) to give a final disinfection. Apply Omnicide™ through a sprayer at a dilution of 1:125 lightly wetting the litter. Do not soak.

**Hatcheries** – Strict biosecurity and cleanliness should always be observed in the hatchery. Omnicide™ is an ideal disinfectant for all areas within the hatchery from egg storage, setters, hatchers, chick handling and despatch due to its fast action, non corrosive to sensitive equipment and long residual action. After thorough cleaning Omnicide™ should be applied at low pressure to all surfaces at a dilution of 1:125.

**Fertile hatching eggs** – It is important to set eggs with as little microbial contamination as possible. Not only to produce strong healthy chicks. But to avoid “bangers” in the machines contaminating a large number of eggs. Eggs should be sterilised as soon as possible after laying and before the egg is cooled. Omnicide™ can be successfully used as a solution for dipping eggs, spraying eggs or misting eggs. Omnicide™ is a safe alternative to the use of formaldehyde gas and can also be used through a ultrasonic fogger to produce a dry gas. (consult your distributor or technical staff from Mirius™ for detailed information on this method).

**Slaughter houses** - Omnicide™ is an ideal disinfectant to be used after Omniclean™ in the disinfection of poultry slaughter houses. It can be applied to all surfaces, shackles etc at a dilution of 1:150 at low pressure and allowed to dry. On tables and other food surfaces. The surface should be rinsed with potable water after 30 mins.

# POULTRY

## Product usage Tables:

### Omnicide™

This disinfectant product has been approved by Defra for disinfection of inanimate surfaces where an approved product is required to be used under the control legislation for the following specific disease orders:

|                                                                                          |       |
|------------------------------------------------------------------------------------------|-------|
| Foot and mouth                                                                           | 1: 60 |
| Swine Vesicular disease                                                                  | 1:100 |
| Avian Influenza                                                                          | 1:125 |
| Newcastle disease                                                                        | 1:125 |
| Paramyxovirus                                                                            | 1:125 |
| Store in original container, firmly closes, between 5-30°C and away from direct sunlight |       |

For specific efficacy tests against other organisms please contact manufacturer.

### Foot baths

| Disinfection                      | Dilution rate | Application                                                         |
|-----------------------------------|---------------|---------------------------------------------------------------------|
| Routine disinfection of foot wear | 1:100         | Replace solution every 3 days or if it has become soiled or diluted |

## Aerial disinfection – misting/cold/thermal fogging

| Equipment disinfection | Dilution rate | Application                                                                                                                                            |
|------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cold fogging           | 1:9           | Using a fine misting machine apply the solution at the rate of 9 litres per 1,000m <sup>2</sup> of floor space                                         |
| Thermal fogging        | 1:4           | Using a thermal fogging machine apply the solution at the rate of 9 litres per 1,000m <sup>3</sup>                                                     |
| Misting                | 1:125         | Using either a pressure washer or knapsack sprayer on its finest mist setting, apply 1 litre of Omnicide™ solution per 10m <sup>2</sup> of floor space |

## Water disinfection

| Water system disinfection | Dilution rate | Application                                                                                                                                             |
|---------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Terminal disinfection     | 1:150         | First drain the system. Add a solution of diluted Omnicide to the whole system. Allow to stand for 3 hours. Drain the system and flush with clean water |
| Continuous disinfection   | 1:3000        | Apply through an appropriate dosing system daily. Withdraw 24-48 hours before the administration of a live vaccine                                      |

## Quantities of Omnicide™ needed for animal housing: Omnicide™ Dilution Rate

| Floor Area Square Feet | Total Area Square Metres | Dilution Rate | Concentrate per Non porous (100ml per m <sup>2</sup> ) | Concentrate per porous (300ml per m <sup>2</sup> ) | Total Concentrate Used Non porous (Litres) | Total Concentrate Used Porous (Litres) |
|------------------------|--------------------------|---------------|--------------------------------------------------------|----------------------------------------------------|--------------------------------------------|----------------------------------------|
| 5000                   | 1161                     | 1:50          | 2ml                                                    | 6ml                                                | 2.35                                       | 7.00                                   |
| 10000                  | 2325                     | 1:50          | 2ml                                                    | 6ml                                                | 4.65                                       | 14.00                                  |
| 15000                  | 3487                     | 1:50          | 2ml                                                    | 6ml                                                | 7.00                                       | 21.00                                  |
| 20000                  | 4650                     | 1:50          | 2ml                                                    | 6ml                                                | 9.30                                       | 28.00                                  |
| 5000                   | 1161                     | 1:100         | 1ml                                                    | 3ml                                                | 1.15                                       | 3.48                                   |
| 10000                  | 2325                     | 1:100         | 1ml                                                    | 3ml                                                | 2.32                                       | 6.96                                   |
| 15000                  | 3487                     | 1:100         | 1ml                                                    | 3ml                                                | 3.49                                       | 10.46                                  |
| 20000                  | 4650                     | 1:100         | 1ml                                                    | 3ml                                                | 4.65                                       | 13.95                                  |
| 5000                   | 1161                     | 1:150         | 0.66ml                                                 | 2ml                                                | 0.77                                       | 2.35                                   |
| 10000                  | 2325                     | 1:150         | 0.66ml                                                 | 2ml                                                | 1.53                                       | 4.65                                   |
| 15000                  | 3487                     | 1:150         | 0.66ml                                                 | 2ml                                                | 2.30                                       | 7.00                                   |
| 20000                  | 4650                     | 1:150         | 0.66ml                                                 | 2ml                                                | 3.10                                       | 9.30                                   |
| 5000                   | 1161                     | 1:300         | 0.33ml                                                 | 1ml                                                | 0.38                                       | 1.16                                   |
| 10000                  | 2325                     | 1:300         | 0.33ml                                                 | 1ml                                                | 0.78                                       | 2.32                                   |
| 15000                  | 3487                     | 1:300         | 0.33ml                                                 | 1ml                                                | 1.15                                       | 3.46                                   |
| 20000                  | 4650                     | 1:300         | 0.33ml                                                 | 1ml                                                | 1.53                                       | 4.65                                   |