

HEALTH AND HYGIENE

CLEANING AND DISINFECTING GUIDELINES (SUPER CONCENTRATE PRODUCTS)



BIRDS OF PREY



Application	Frequency	Dilution /10 litre	Minimum Exposure
BREEDING AND MOULTING CHAMBER/AVIARY			
Sighting/Position of Aviary Facing away from the prevailing wind direction, away from free ranging fowl, domestic avicultural duck populations/collections, and pigeons. Keep away from hay/straw storage, compost heaps, lawn clippings (= Aspergillus spores).			
Construction of Aviary Cages should have independent access to common passageway to avoid cross-contamination. Vermin and wild birds should be kept out. The layout of the aviary should allow Keeper to always move in the direction of younger to older birds. The hatchery should be positioned on a site away from main aviaries. Good quality water should be available – if borehole water is used the quality should be tested regularly, particularly in breeding season.			
Routine Hygiene Daily Routine			
Empty feed and water bowls, wash with water and spray with F10SC (use 2 sets in rotation). Spray food ledges with F10SC before placing food. All food preparation surfaces should be sprayed with F10SC before use. After use thoroughly washed down with clean water and again sprayed with F10SC.	Daily Daily	20ml 40ml	Leave to dry Leave to dry
Food Preparations: refer to "Special Considerations" section Before, during and after food preparation hands should be washed with F10. Antiseptic Liquid Soap. Before each feeding round on the same day, the Keeper must ensure that all hands; boots and clothing are decontaminated. (Spray with F10SC).	Daily	As is 40ml	1 min Leave to dry
Personal Hygiene All personnel to be provided with overalls and gumboots, which are washed and disinfected daily with F10SC. Where no hand washing facilities exist use trigger spray bottles filled with F10SC or use F10 Hand Gel to frequently decontaminate hands. Spray gumboots with F10SC upon entry into each cage.	Every entry Every entry	40ml As is 40ml	Leave to dry Leave to dry Leave to dry
Seasonal Cleaning of Chambers Use a solution of F919SC sufficient to fill pipes in the reticulation system, leave to stand for 20 minutes then flush out, opening one tap or micro jet at a time.	Every Season	100ml	Leave for 20 mins and flush
Repeat this cycle with F10		20ml	Leave to dry
High pressure wash nest ledges (pea gravel) and Astro Turf surfaces with F10SCXD and replace nest material at the start of the season.		40ml	Leave to dry
FLYING			
Glove hygiene: Scrub clean using F10SC or F10SCXD then regular use of a leather treatment. Spray glove with F10SC before use on different birds.	Each use	40ml	Leave to dry
Perches Blocks: Spray Astro Turf with F10SC before placing bird.	Each use/daily	40ml	Leave to dry
TRAVELLING			
Boxes, preferably plastic, (avoid wooden boxes which will harbour Aspergillus spp) should be washed out and sprayed with F10SC or F10SCXD.	After each use Leave to dry	40ml	Leave to dry
FOGGING Fogging generally should be used (birds can be present) to lower airborne micro-organisms (Aspergillus sp spores) in the immediate environment of the birds and in particular in terms of stress when they are more at risk, e.g. in quarantine, prior to and after travelling, change of ownership/accommodation, at the start of training or when gregarious birds are left alone.	Daily and as needed	40ml	30 min
HIGH RISK AREAS			
INCUBATION ROOM AND INCUBATORS			
Egg collection: Wash collection trays with F10SC after use and spray before re-use. Prevent cross contamination use F10 Hand Gel to decontaminate hands between nests when collecting eggs and before/after handling during incubation.	Each use	40ml	Leave to dry
Egg Washing: Immediately after collection and before putting eggs in the incubator spray with F10SC to disinfect surface of clean eggs and lightly wash off any soiling.	Each collection	40ml	Leave to dry
Incubation: At start of season strip and wash all (non-electrical) parts in F10SC or F10SCXD. If the incubator has a natural evaporation tray fill with F10SC. To reduce potential contamination in the incubator spray (3 to 4 puffs with a trigger spray in small incubators) with F10SC.	Each Season Daily	40ml 40ml 40ml	Leave to dry Leave to dry
Incubator Room: Clean with F10SCXD or if heavily soiled use F919SC (100ml/10 litres), rinse off, then (fog with F10SC)	Weekly (Daily)	40ml	Leave to dry
Equipment: Wipe clean with F10 Wipes or F10SC, e.g. scales, candler, etc.	Daily	40ml	Leave to dry

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REGISTRATION HOLDER: Health and Hygiene (Pty) Ltd (Reg. No. 94/00853/07)

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Application	Frequency	Dilution /10 litre	Minimum Exposure
BROODER / REARING ROOM: As for incubation room and equipment			
BIO-SECURITY additional pre-cautions for quarantine areas			
No visitors should be allowed in the quarantine section			
All clinically affected birds should be quarantined upon detection			
Hard Surfaces – High Risk areas – Kitchen			
Cleaning from top down apply F10SC or F10SCXD to all surfaces e.g. walls, cupboards, fridge tops, microwave, waste bins, (spray inside new liner), floors and all hand contact surfaces such as taps, handles and switches.	Daily	40ml	Leave to dry
Before and after feed prep spray kitchen surfaces with F10SC and dry off with paper towel.	Each feed	40ml	Leave to dry
Wipe off surfaces with clean water prior to applying F10SC to prevent build up.	Twice monthly		
Feed containers – High Risk areas			
Wash all feed containers by hand in F10SC and rinse off with clean water, or in dishwasher, then dip in F10SC to sanitize. It is useful to have a 2 nd set of containers that have been pre-cleaned and sanitized. Use only boiled water in feed preparation.	Each feed	40ml	Leave to dry
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Hand decontamination			
Wash hands with F10 Antiseptic Liquid Soap and dry with paper towel (1/4 fill soap dispenser to ensure frequent replenishing).	Before feed prep and handling	As is 4ml	1 min
Where handwashing facilities are not available or to decontaminate hands between handling of individual birds use F10 Hand Gel.	Every contact	As is 2ml	Leave to dry
Overalls – High risk areas			
Clean overalls and hats should be worn at each entry. Wash overalls/hats then soak in F10SC before drying.	Each wash	40ml	120 min
Boot Wash			
Step into bath or spray with portable sprayer using F10SC	Every entry	80ml	Leave to dry
Boots should be washed in F10SC after each shift.	Daily	40ml	Leave to dry
Equipment			
Air conditioners – Wash filters in F10 and rinse off, then dip in F10 and leave to dry.	Weekly	40ml	Leave to dry
Brushes, mops, squeegees, (non scratch) pads			
Wash in F10SCXD and then rinse off.	Daily	40ml	Leave to dry
Dip in F10SC and leave to dry.	Daily	40ml	Leave to dry

NOTE:

Caution

1. F10 SC is a highly concentrated product and must only be used in accordance with the recommended dilution. Care should be taken to avoid contact with eyes and mucus membranes.
2. Scratches, superficial cuts, fresh puncture wounds etc on feet [“hunting injuries”], as well as Grade 1 bumblefoot: Daily application of **F10 Germicidal Barrier Ointment** (or quick drying, non-sticky, **F10 Hand Gel** if in sandy conditions). Wipe off oily layer from previous day's treatment with a 1:250 solution of F10SC before applying new layer. If in doubt obtain Veterinary advice to incorporate this surface treatment with correct parenteral antibiotic use if indicated as part of the integrated treatment plan. If left unattended, foot / toe injuries could rapidly deteriorate into a serious infection with temporary or even permanent loss of hunting ability.

Special considerations:

3. Some Raptors are more susceptible than others to specific medical conditions; e.g. Golden Eagles, Gyrfalcons, Goshawks, and Snowy Owls are very susceptible to **Aspergillosis airsacculitis**. Predictable periods of high stress (new arrival, start of training, numbers of youngsters fledging into hacking cage from airconditioned boxes * [common practice in the Arabian Gulf] and / or **high levels of challenge** (high fungal spore counts due to seasonal weather conditions / agricultural practices), indicate high risk periods for these birds. Regular inhalation of F10SC/F10 Antiseptic Solution fog will assist in the prevention of this condition. Portable foggers, automated fogging systems in the case of e.g. air-conditioned boxes, such as used in evaporative cooling installations, and even the use of human nebulisers in the case of individual birds have all been highly successful in such cases, using F10SC/F10 Antiseptic Solution @ 1:250 dilution, for periods of 15 – 20 min at a time, once but preferably twice a day (individual birds).
4. Skin conditions: individual birds occasionally develop fungal skin infections (dermatophytoses) [head, eyelids, cere, around mouth etc.], fungal &/ bacterial nailbed infections (paronychia) or infections of the beak. Topical, daily applications of **F10 Germicidal Barrier Ointment** or **F10 Hand Gel**. Individual cases with deep, established infections will need systemic antifungal drugs in addition as advised by your Veterinarian.
5. Care should be taken in the preparation of frozen meat food products to reduce the risk from Clostridium spp. It is suggested that the following routine be applied a) remove the frozen packs from the freezer and leave them in the fridge overnight, then the packs are taken and left at room temperature (23 - 25°C) for one or two hours , b) e.g. quails are then prepared (crushing of the long bones) and left in a double container to warm through (the outer container has warm water at around 41 to 43°C). This method avoids the food from being in contact with water, therefore the quails in the second container do not touch the water, but are warmed out through the contact of the warm walls of the container. Warming frozen food in a microwave oven or by leaving it to thaw in the sunlight should be avoided.

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