

Vir volledige inligting sien ingeslote voubiljet / For full particulars see enclosed leaflet

# Virukill<sup>®</sup>

a v i a n

Slegs vir gebruik op oppervlaktes,  
in drinkwater en vir spuit newelapplikasies  
Wet / Act 36/1947

- Vir 'n breë spektrum ontsmetting van oppervlaktes teen kouvoël virusse, bakterieë, swamme, mycoplasma, giste en alge.
- Vir ontsmetting van drinkwater vir voëls.
- Vir ontsmetting van lug in voëlhokke.

Vertraag die verspreiding van  
Paramyxovirus Tipe 1 deur  
ontsmetting van die drinkwater en lug  
in voëlhokke.

**Aktiewe Bestanddeel:**  
Poli Dimetiel  
Ammonium Chloried ....120g/L

Batch No:

Date of Manufacture:

Expiry Date:

Vervaardig en geregistreer deur / Manufactured and registered by  
ICA International Chemicals, P.O. Box 2312, Stellenbosch 7601

L

Only for use on surfaces,  
in drinking water and for fogging  
Reg. no / nr. G 3525

- For broad spectrum disinfection of surfaces against caged bird viruses, bacteria, fungi, mycoplasma, yeasts and algae.
- For disinfection of drinking water for birds.
- For disinfection of the air in aviaries.

Delays the spread of Paramyxovirus  
Type 1 when used to disinfect the  
drinking water and air in aviaries.

**Active Ingredient:**  
Poly Dimethyl  
Ammonium Chloride... 120g/L



VERSPREI DEUR / DISTRIBUTED BY

MICROBROTICS

P.O. Box 38656, Langenhoven Park, 9330. Cell: +27 (0)82 850 9511



# VIRUKILL® avian

Reg. No: G2838 Act 36 of 1947

- ✓ For broad spectrum disinfection of surfaces against caged bird viruses, bacteria, fungi, *Mycoplasma*, yeasts and algae.
- ✓ For disinfection of drinking water for birds.
- ✓ For disinfection of the air in aviaries.
- ✓ Delays the spread of **Paramyxovirus Type 1** when used to disinfect the drinking water and air in aviaries.

## ACTIVE INGREDIENT:

Poly Dimethyl Ammonium Chloride .....120 g/l

## DISTRIBUTED BY: MICROBROTICS

PO Box 38656 • Langehoven Park • 9330  
Cell: 082 850 9511

## REGISTERED BY:

ICA International Chemicals (Pty) Ltd.

Reg. No: 2001/013319/07

PO Box 2312 ♦ STELLENBOSCH ♦ 7601 ♦ South Africa

## CAUTION

## WARNINGS

**Withholding period(s):** A 24 (twenty four) hour withdrawal period *before* and *after* vaccination is recommended.

- If product is to be used as a fog or in the drinking water of birds, it should not be seen as a replacement for a good vaccination programme.
- Keep out of reach of children, animals and uninformed persons.
- Harmful if swallowed. DO NOT drink this product.
- Toxic by inhalation. DO NOT inhale spray, mist or fog.
- Undiluted product is irritating to the skin.
- Risk of serious damage to the eye (corrosive to the eye).
- Toxic to fish and other aquatic organisms.
- Store in a cool, dry place away from food, feed and drinking water.

**Re-entry interval:** Do not enter treated area until spray deposit has settled down/dried unless wearing protective clothing and self-contained breathing apparatus.

Although this product has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

## PRECAUTIONS

- Prevent skin contact when handling the undiluted product, wear rubber gloves.
- Prevent contact with eyes; wear chemical splash goggles or safety glasses. If in contact with eyes, rinse immediately with plenty of water for 15 minutes and seek medical advice.
- Prevent inhalation where spray, mist or fog is generated, wear a self-contained breathing apparatus.
- Do not eat, drink or smoke whilst handling this product.
- Prevent contamination of food, feed, drinking water and eating utensils.
- Avoid spray drift onto rivers, dams or areas not under treatment.
- Clean applicator thoroughly after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- CONTAINER DISPOSAL: Invert empty container over mix or spray tank and allow draining for at least 30 seconds until flow has slowed to a drip. Triple rinse the empty container with clean water equal to a minimum of 30 % of the volume of the container. Add rinsing to the contents of the spray tank. Offer container for recycling or puncture and dispose of at authorised landfill. Do not use container for any other purpose.

## DIRECTIONS FOR USE

### USE ONLY AS DIRECTED

- *If product is to be used as a fog or in the drinking water of birds, it should NOT be seen as a replacement for a good vaccination programme.*

SITUATION	DISEASE AGENT	RATE	CRITICAL COMMENTS
Washing and cleaning surfaces	Viruses, bacteria, fungi, <i>Mycoplasma</i> spp., yeasts & algae	200ml per 100l water	Spray 0,5 – 1l solution per m <sup>2</sup> on surfaces and wash off after 30 minutes.
General disinfection of all animal quarters (aviaries, kennels, stables, barns, dairies, lavatories, etc.) all surfaces, equipment, hatcheries, utensils & instruments and for flushing water systems.		1l per 100l water	Wet surfaces thoroughly (300 – 400ml solution per m <sup>2</sup> ) and leave to dry.  <b>Water systems</b> Drain and flush with clean water, <i>after disinfection</i> , to remove all traces of disinfectant solution.
Foot & vehicle dips		1l per 25l water	Replace when solution starts to get dirty.
Treatment of bird drinking water.		100ml per 1000l water	Continuously proportionally dosed.
Aerial disinfection <b>BEFORE</b> bird/animal occupation.		1l per 100l water	Use fine spray / mist droplets or fogging.
Aerial disinfection <b>DURING</b> bird/animal occupation.		1l per 100l water, 1 – 3 times per day.	Use fine spray / mist droplets or fogging.

## GENERAL INSTRUCTIONS

- **Virukill® avian** cleans and disinfects in one operation and can be used for washing by manual application, dipping / soaking equipment and by spray application.
- **Virukill® avian** is effective over a wide pH range and has good performance in the presence of organic matter. It is effective at high and low temperatures and is non-corrosive to equipment.
- **Virukill® avian** stays active as long as it is in solution (does not oxidise). Before disinfection, cleaning should be carried out using a detergent, and then rinsed with clean water. Portable items should be soaked in **Virukill® avian** solution and left to dry. Disinfect surfaces by spraying with **Virukill® avian** solution and leave to dry. DO NOT RINSE.
- Shake BEFORE USE.

# VIRUKILL® avian

Reg. No: G2838 Wet No. 36 van 1947

- ✓ Vir breë spektrum ontsmetting van oppervlaktes teen kou-voël virusse, bakterieë, swamme, *Mycoplasma*, giste en alge.
- ✓ Vir ontsmetting van drinkwater vir voëls.
- ✓ Vir ontsmetting van lug in voëlhokke.
- ✓ Vertraag die verspreiding van **Paramyxovirus Tipe 1** deur ontsmetting van die drinkwater en lug in voëlhokke.

## AKTIEWE BESTANDEDEEL:

Poly Dimetiel Ammonium Chloried .....120g/l

## VERSPREI DEUR: MICROBROTICS

Posbus 38656 • Langenhoven Park • 9330  
Sel: 082 850 9511

## GEREGISTREER DEUR:

ICA International Chemicals (Pty) Ltd.

Reg. No: 2001/013319/07

Posbus 2312 ♦ STELLENBOSCH ♦ 7601 ♦ Suid-Afrika

## VERSIGTIG

## WAARSKUWING

**Onthoudingsperiode(s):** 'n Onttrekkingsperiode van 24 (vier-en-twintig) uur vóór en ná, inenting word aanbeveel.

- Wanneer die produk gebruik word as newelbesproeiing of in die drinkwater van voëls moet dit nie gesien word as 'n plaasvervanger vir 'n goeie inentingsprogram nie.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Skadelik indien produk gesluk word, MOENIE die produk drink nie.
- Skadelik indien ingeasem word, MOENIE spuitnewel inasem nie.
- Onverdunde produk veroorsaak vel irritasie.
- Risiko vir ernstige skade aan oë (korrosief vir die oog).
- Giftig vir visse en ander waterorganismes.
- Berg in 'n koel, droë plek weg van voedsel, voer en drinkwater.

**Herbetredingsinterval:** Moet nie behandelde gebied binnegaan voordat die spuitnewel afgesak het en oppervlakte droog is nie tensy beskermende oorklere en 'n gesigmasker gedra word.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie, aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander produkte wat nie op die etiket aangedui is nie en die voorkoms van weerstand teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effekte op mens of dier of vir 'n gebrek aan doeltreffendheid, as gevolg van die versuim van die gebruiker om die etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in geval van enige onsekerheid.

## VOORSORGMATREËLS

- Voorkom kontak met onderverdunde produk, dra rubber handskoene.
- Voorkom kontak met oë, dra chemiese beskermings bril of gesigskerm. Indien in kontak met oë, spoel oog onmiddellik uit met lopende water vir 15 minute en kry onmiddellik mediese hulp.
- Voorkom inaseming van sproei of missproei, dra gesigmasker.
- Moenie eet, drink of rook terwyl die produk hanteer word nie.
- Vermoed besoedeling van voedsel, voer, drinkwater en eetgerei.
- Vermoed waai van spuitnewel na riviere of damme en areas wat nie onder behandelings is nie.
- Na gebruik, maak toediener deeglik skoon en gooi waswater waar dit nie gewasse, weiding, riviere of damme sal besoedel nie.
- Sodra houer leeg is, keer om oor spuitentek of mengbak en dreineer vir minstens 30 sekondes totdat vloei tot gedrup verminder het. Spoel leë houer daarna driekeer uit met 'n volume water gelykstaande aan minstens 30 % van die houer. Gooi die spoelwater by die inhoud van die spuitentek voordat die houer vernietig word, deur gate daarin te maak. Bied houer aan vir hersirkulasie of neem na 'n amptelike vullis area. Moenie die houer vir enige ander doel gebruik nie.

## GEBRUIKSAANWYSINGS

### GEBRUIK SLEGS SOOS AANGEDUI

- Wanneer die produk gebruik word as newelbesproeiing of in die drinkwater van voëls moet dit nie gesien word as 'n plaasvervanger vir 'n goeie inentingsprogram nie.

SITUASIE	SIKTE AGENT	DOSIS	KRITIESE KOMMENTAAR
Was en skoonmaak van oppervlaktes	Virusse, bakterieë, swamme, <i>Mycoplasma</i> spp, giste & alge	200ml per 100l water	Dien 0,5 – 1l oplossing per m <sup>2</sup> op oppervlaktes toe en was af na 30 minute.
Algemene ontsmetting van voëlhokke, hondehokke, stalle, melkerie, toilette, ens. Alle oppervlaktes, toerusting, broeierye, gereedskap, instrumente en speelbare watersisteme.		1l per 100l water	Maak oppervlaktes deeglik nat (300 – 400ml oplossing per m <sup>2</sup> ) en laat droog word. <b>Watersisteme:</b> Dreineer en spoel <u>na ontsmetting</u> met skoon water sodat alle ontsmettingsmiddel oplossing uitgespoel word.
Voet- en wielbaddens.		1l per 25l water	Vervang wanneer oplossing vuil raak.
Behandeling van voëls se drinkwater.		100ml per 1000l water	Deurlopende proporsionele dosering.
Ontsmetting van lug <b>VOOR</b> plasing van diere.		1l per 100l water	Dien toe as fyn missproei.
Ontsmetting van lug <b>TYDENS</b> teenwoordigheid van voëls.		1l per 100l water, 1 – 3 keer per dag.	Dien toe as fyn missproei.

## ALGEMENE INSTRUKSIES

- **Virukill® avian** maak skoon en ontsmet in een aksie en kan gebruik word vir was deur toediening per hand, vir indompeling/week van apparaat en deur middel van sproei-toediening.
- **Virukill® avian** is effektief oor 'n wye pH-reeks en werk goed in die teenwoordigheid van organiese materiaal. Dit is effektief teen hoë en lae temperature en is nie korrosief teenoor apparate nie.
- **Virukill® avian** bly aktief solank dit in oplossing is (oksiedeer nie). Skoonmaak van oppervlaktes moet uitgevoer word met 'n oplosmiddel en afgespoel word met skoon water, voor ontsmetting. Draagbare items moet in **Virukill® avian** oplossing geweek, en gelos word om af te droog. Vir ontsmetting van oppervlaktes spuit **Virukill® avian** oplossing aan en los om droog te word. MOET NIE AFSPOEL NIE.
- Skud **VOOR** GEBRUIK.