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

Only for use on surfaces, in drinking water and for fogging
Slegs vir gebruik op oppervlaktes, in drinkwater en vir spuit newelapplikasies

Reg. no / nr. G 2838

Wet / Act 36 / 1947

- Vir 'n breë spektrum ontsmetting van oppervlaktes teen alle pluimvee virusse, bakterieë, swamme, mycoplasma, giste en alge.
- Vir ontsmetting van drinkwater vir pluimvee.
- Vir ontsmetting van broei-eiers.
- Vir ontsmetting van lug in pluimveehokke.

Vertraag die verspreiding van aansteeklike verkoue en Newcastlesiekte deur ontsmetting van die drinkwater en lug in pluimveehokke.

- For broad spectrum disinfection of surfaces against all poultry viruses, bacteria, fungi, mycoplasma, yeasts and algae.
- For disinfection of drinking water for poultry.
- For disinfection of hatching eggs.
- For disinfection of the air in poultry houses.

Delays the spread of infectious coryza and Newcastle Disease when used to disinfect the drinking water and air in poultry houses.

Aktiewe Bestanddeel:
Poly Dimetiel Ammonium Chloried

120g/L

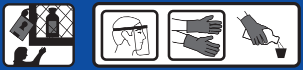
Active Ingredient:
Poly Dimethyl Ammonium Chloride

Batch No:
Date of Manufacture:
Expiry Date:
SEE CONTAINER

ICA INTERNATIONAL CHEMICALS (PTY) LTD

SEE CONTAINER L

Geregistreer en verskaf deur / Registered and supplied by
ICA International Chemicals (Pty) Ltd
Reg. No. 2001/013319/07
28 Planken Street • Plankenbrug Ind. • STELLENBOSCH • 7601 • SOUTH AFRICA
Tel. +27-21-886 9812 • www.icaonline.co.za
Poisons Helpline +27 (0)861 555 777
Griffons Poison Information Centre +27 (0)82 446 8946



CAUTION
VERSIGTIG

VkISA005-006

VIRUKILL®

Reg. No. G2838 Act 36 of 1947

- ✓ For broad spectrum disinfection of surfaces against all poultry viruses, bacteria, fungi, mycoplasmas, yeasts and algae.
- ✓ For disinfection of drinking water for poultry.
- ✓ For disinfection of hatching eggs.
- ✓ For disinfection of the air in poultry houses.

Delays the spread of Infectious Coryza and Newcastle Disease when used to disinfect the drinking water and air in poultry houses.

ACTIVE INGREDIENT

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

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 remedy 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, *Mycoplasma* spp., yeasts & algae	200 mℓ per 100 ℓ water	Spray 0.5 – 1 ℓ solution per m^2 on surfaces and wash off after 30 minutes.
General disinfection of all animal quarters (poultry houses, kennels, stables, barns, dairies, lavatories, etc.) all surfaces, equipment, hatcheries, utensils & instruments and for flushing water systems.		1 ℓ per 100 ℓ water	Wet surfaces thoroughly (300 – 400 mℓ solution per m^2) and leave to dry. **Water systems** Drain and flush with clean water, *after disinfection*, to remove all traces of disinfectant solution.
Foot & vehicle dips		1 ℓ per 25 ℓ water	Replace when solution starts to get dirty.
Treatment of bird drinking water.		100 mℓ per 1000 ℓ water	Continuously proportionally dosed.
Aerial disinfection **BEFORE** animal occupation.		1 ℓ per 100 ℓ water	Use fine spray / mist droplets or fogging.
Aerial disinfection **DURING** bird occupation.		1 ℓ per 100 ℓ water, 1 – 3 times per day	Use fine spray / mist droplets or fogging.
Disinfection of hatching eggs		1 ℓ per 100 ℓ water	Recommended that spray solution must be the same temperature as hatching eggs.

GENERAL INSTRUCTIONS

- ✓ **Virukill**® cleans and disinfects in one operation and can be used for washing by manual application, dipping / soaking equipment and by spray application.
- ✓ **Virukill**® 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**® 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**® solution and left to dry. Disinfect surfaces by spraying with **Virukill**® solution and leave to dry. DO NOT RINSE.
- ✓ Shake BEFORE USE.

VkISA006

VIRUKILL®

Reg. Nr. G2838 Wet 36 van 1947

- ✓ Vir breë spektrum ontsmetting van oppervlaktes teen alle pluimvee virusse, bakterieë, swamme, mikoplasmas, giste en alge.
- ✓ Vir ontsmetting van drinkwater vir pluimvee.
- ✓ Vir ontsmetting van broei-eiers.
- ✓ Vir ontsmetting van lug in pluimveehokke.

Vertraag die verspreiding van Aansteeklike Verkoue en Newcastlesiekte deur ontsmetting van die drinkwater en lug in pluimveehokke.

AKTIEWE BESTANDDEEL:
Poly Dimetiel Ammonium Chloried ....120 g/ℓ

<u>GEREGISTREER DEUR:</u>

ICA International Chemicals (Pty) Ltd.
Reg. No: 2001/013319/07
Posbus 2312 ◆ STELLENBOSCH ◆ 7601 ◆ Suid-Afrika

VERSIGTIG

WAARSKUWINGS

Onthoudingsperiode(s): 'n Ontrekkingsperiode 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.

VOORSORGMAATREËLS

- Voorkom kontak met onderverdunde produk, dra rubber handskoene.
- Voorkom kontak met oë, dra chemiese beskermings brille 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.
- Vermy besoedeling van voedsel, voer, drinkwater en eetgerei.
- Vermy 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 spuittenk 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 spuittenk 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	SIEKTE AGENT	DOSIS	KRITIESE KOMMENTAAR
Was en skoonmaak van oppervlaktes	Virusse, bakterieë, swamme, *Mycoplasma* spp, giste & alge	200 mℓ per 100 ℓ water	Dien 0,5 – 1 ℓ oplossing per m^2 op oppervlaktes toe en was af na 30 minute.
Algemene ontsmetting van pluimveehokke, hondehokke, stalle, melkerye, toilette, ens. Alle oppervlaktes, toerusting, broeierye, gereedskap, instrumente en spoelbare watersisteme		1 ℓ per 100 ℓ water	Maak oppervlaktes deeglik nat (300 – 400 mℓ oplossing per m^2) en laat droog word. **<u>Watersisteme:</u>** Dreineer en spoel <u>na ontsmetting</u> met skoon water sodat alle ontsmettingsmiddel oplossing uitgespoel word.
Voet- en wielbaddens		1 ℓ per 25 ℓ water	Vervang wanneer oplossing vuil raak.
Behandeling van voëls se drinkwater		100 mℓ per 1000 ℓ water	Deurlopende proporsionele dosering.
Ontsmetting van lug **VOOR** plasing van diere		1 ℓ per 100 ℓ water	Dien toe as fyn missproei.
Ontsmetting van lug **TYDENS** teenwoordigheid van voëls		1 ℓ per 100 ℓ water 1 – 3 keer per dag	Dien toe as fyn missproei.
Ontsmetting van broei-eiers		1 ℓ per 100 ℓ water	Word aanbeveel dat sproei oplossing dieselfde temperatuur is as die broei-eiers.

ALGEMENE INSTRUKSIES

- ✓ **Virukill®** 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®** 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®** bly aktief solank dit in oplossing is (oksideer nie). Skoonmaak van oppervlaktes moet uitgevoer word met 'n oplosmiddel en afgespoel word met skoon water, voor ontsmetting. Draagbare items moet in **Virukill®** oplossing geweek, en gelos word om af te droog. Vir ontsmetting van oppervlaktes spuit **Virukill®** oplossing aan en los om droog te word. MOET NIE AFSPOEL NIE.
- ✓ Skud VOOR GEBRUIK.

VkISA006