HEALTH AND HYGIENE
Safety Data Sheet

Product: F10CL Avian Disinfectant Concentrate

Revision Date: 3 April 2017 Revision Number:001

NOTE: To further assist with the interpretation of the MSDS, explanatory notes have been added in italics

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: **F10CL Avian Disinfectant Concentrate**

1.2. Relevant identified uses of the substance or mixture and uses advised against

F10CL Avian Disinfectant Concentrate is an antimicrobial disinfectant solution

1.3. Details of the supplier of the safety data sheet

Company name: Health and Hygiene (Pty) Ltd
Full address: PO Box 906, Florida Hills 1716, South Africa.
Telephone number: +27 11 474-1668
E-mail address of competent person responsible for the SDS: info@healthandhygiene.co.za

1.4. Emergency telephone number

Emergency telephone number: +27 11 474-1668
Hours of operation: 8:00am to 4:30pm
Service is provided in the following language: English

SECTION 2: Hazards identification *(refers to the F10CL Avian Disinfectant Concentrate undiluted product)*

2.1. Classification of the substance or mixture

2.1.1 According to CLP Regulation (EC 1272/2008)

Hazard class	Hazard category	Classification procedure
Eye irritation	2	On the basis of GLP test data
May cause long term adverse effects to aquatic life	3	According to CLP criteria

Hazard statements
H319: Causes serious eye irritation
H412: Harmful to aquatic life with long lasting effects.

2.2. Label elements

According to Regulation (EC) No 1272/2008

Signal Word: WARNING

P280: Wear correct eye safety equipment when handling this mixture.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Contact Poison centre/doctor/physician.
P273: Avoid release to the environment.
P501: Dispose of container in suitable manner as is required by country legislation.

2.3. Other hazards

F10CL Avian Disinfectant Concentrate does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

SECTION 3: Composition/information on ingredients based on 100% pure material

3.1. MIXTURES

F10CL Avian Disinfectant Concentrate consists of the following:

Alkyl (C12-16)dimethylbenzylammonium Chloride,

C10 Alcohol ethoxylate; and

Polyhexamethylene; biguanide hydrochloride.

IUPAC name	EC number	CAS number	CLP Classification *based on 100% pure material*		Note: Typical % concentration In F10CL Avian Disinfectant Concentrate
Alkyl(C12-16) dimethylbenzylammonium Chloride	270-325-2	68424-85-1	Acute Toxicity. 4 H302; Skin Corrosive. 1B H314 Eye Damage. 1 H318 Aquatic Acute 1 H400		1-10%
C10 Alcohol ethoxylate	No Information	160875-66-1	Acute Toxicity. 4; H302 Eye Damage. 1; H318 Aquatic Acute 3; H402		1-10%
Polyhexamethylene; biguanide hydrochloride	No Information	32289-58-0	Acute Toxicity.4 H302; Skin Irritation. 2; H315 Skin Sensitive. 1B H317; Eye Damage. 1 H318; Aquatic Acute 1 H400 Carc 2 H351		0.01-0.1%

SECTION 4: First aid measures

4.1. Description of first aid measures

Following contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
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Following skin contact

Remove contaminated clothing, footwear, watches, etc. and clean thoroughly before re-using them. Rinse the affected area with soap and water.

Following inhalation

Move the person to fresh air. Contact a physician if required.

Following ingestion
Do not induce vomiting. If the person is conscious, wash out mouth with water and give plenty of milk or water to drink. Get immediate medical attention or contact the poison centre.

4.2. Most important symptoms and effects, both acute and delayed

Eyes: May be some pain and reddening of the eye, which will moderate after some time

Skin: None

Inhalation: None

Ingestion: Ingestion of the concentrate may cause irritation to mouth, throat and digestive tract

Environment: Is known to cause long term adverse effects in an aquatic environment. (Refers to the F10CL Avian Disinfectant Concentrate undiluted product)

4.3. Indication of any immediate medical attention and special treatment needed

Follow First Aid Procedures.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Use appropriate fire extinguisher for surrounding environment.

5.2. Special hazards arising from the substance or mixture

Non-combustible and non-explosive and will not facilitate or sustain the combustion of other materials.

5.3. Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves and eye protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Wear appropriate protective equipment

6.1.2 For emergency responders

Emergency procedures are not required.

6.2. Environmental precautions & methods and material for containment and cleaning up

Do not flush large volumes into surface water or the sanitary sewer system or into bodies of water (e.g. streams). Soak up with an inert absorbent material, such as dry earth. Keep in suitable containers for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.1.1 Protective measures

Measures to prevent fire
None.

Measures to prevent aerosol and dust generation
None

Measure to protect the environment
None

7.1.2 Information on general occupational hygiene

Do not handle or store near food and beverages or smoking materials.

7.2. Conditions for safe storage, including any incompatibilities

Store below 30^0C/86^0F in dry conditions.

7.3. Specific end use(s)

No additional information for the specific end uses (see section 1.2).

SECTION 8: Exposure controls/personal protection

8.1. Occupational Exposure Limits:

No data available.

8.2. Engineering Control Measures

None required

8.3 Personal Protection

Respiratory – None required
Skin – None required, however care should be exercised to prevent contact with skin
Eye – Wear required eye protection

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	clear, colourless liquid.
Odour:	slight natural odour
pH:	7.5
Boiling point:	100ºC
Flash point:	not flammable
Flammability:	not flammable
Explosive properties:	not explosive
Oxidising properties:	none
Vapour pressure:	not known
Density:	1.0
Solubility-water:	soluble

9.2. Other information

Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity.

Non-reactive under normal conditions.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Not applicable.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicity	Packed Concentrate	Use Dilutions (1:100 and higher)
Acute Oral Toxicity: (Rat)	No Toxicity>10000mg per kg	No toxicity (>200000mg per kg)
Acute Dermal Toxicity: (Rat)	No Toxicity >20000mg per kg	No toxicity (>500 000mg per kg)
Acute Eye Irritation	Causes temporary rye irritation but no serious damage	None
Acute Dermal Irritation	None	None
Acute Inhalation Toxicity	None	None
Skin Sensitization	Not a skin sensitizer	Not a skin sensitizer
Carcinogenicity, mutagenicity And toxicity for reproduction	Based on data for the raw materials, no carcinogenic, mutagenic or toxicity for reproduction is predicted	

SECTION 12: Ecological information

12.1. Ecotoxicity Values:

Aquatic Toxicity – Fish: Not available
Aquatic Toxicity – algae: Not available
Aquatic Toxicity – daphnia: Not available

12.2. Persistence and degradability

For practical purpose the in-use product is biodegradable.
Usage is confined to very low volume use applications and in areas where run off to waterways is minimum.

12.3. Bioaccumulative potential

No known adverse effects from normal use.

12.4. Mobility in soil

Immobile in soil.

12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT substance.

12.6. Other adverse effects

Not relevant.

SECTION 13: Disposal considerations

13.1. Disposal methods

Dispose of in accordance with local regulations.

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SECTION 14: Transport information

This product does not require a transport classification.

SECTION 15: Regulatory information

15.1. Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

SDS Created: November 2016. Prepared according to According to CLP Regulation (EC 1272/2008)

16.1 Abbreviations and acronyms used elsewhere in the safety data sheet

CAS	Chemical Abstracts Service
CLP	Classification, labelling and packaging (Regulation (EC) No 1272/2008)
PBT	Persistent, bio-accumulative and toxic
REACH	Registration, Evaluation and Authorisation of Chemicals
SDS	Safety Data Sheet
vPvB	Very persistent, very bio-accumulative
w/w	Weight by weight
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H351	Suspected of causing cancer
H400	Very toxic to aquatic life
H402	Harmful to aquatic life

16.3 Training advice

Companies utilising this product must ensure that the relevant personnel read, understand and apply the requirements of this data sheet.

16.4 Disclaimer

The information on this data sheet is based on the current available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging.