

## SAFETY DATA SHEET

Product: F10SC Veterinary Disinfectant

Preparation date: 2022-08-01

Revision date: 2023-08-02

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

#### Product identifier

Product form Mixture  
Trade name(s) F10SC Veterinary Disinfectant  
BAUA Nr. N-100665

#### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses An antimicrobial disinfectant solution used for the disinfection of hard surfaces and equipment.

#### Details of the supplier of the safety data sheet

**Manufacturer** Health and Hygiene (Pty) Ltd.  
**Address** Corner Leader and Hoefsmid Street, Stormill Ext. 10, Roodepoort, 1709, South Africa  
**Telephone number** +27 (0) 11 474 1668  
**E- mail address** [info@healthandhygiene.co.za](mailto:info@healthandhygiene.co.za) / [info@f10products.com](mailto:info@f10products.com)  
**Emergency contact number(s)** +27 (0) 11 474 1668  
**Supplier** F10 Biocide Products Limited  
Unit 3D, North Point House, North Point Business Park, New Mallow Road, Cork T23AT2P, Ireland  
**Telephone number** +27 (0) 11 474 1668  
**E- mail address** [info@f10biocideproducts.ie](mailto:info@f10biocideproducts.ie) / [info@f10products.com](mailto:info@f10products.com)  
**Emergency contact number(s)** +27 (0) 11 474 1668

Country	Organisation	Website	Emergency number
Australia	Poisons Information Centre	<a href="https://www.health.gov.au/contacts/poisons-information-centre">https://www.health.gov.au/contacts/poisons-information-centre</a>	13 11 26
Belgium	Centre Anti-Poisons/ Antigifcentrum	<a href="https://www.poisoncentre.be/">https://www.poisoncentre.be/</a>	+32 70 245 245
Canada	BC Drug and Poison Information Center	<a href="https://infopoison.ca/centres/">https://infopoison.ca/centres/</a>	+1 604 707 2789
China	National Poison Control Center	<a href="https://www.chinacdc.cn/en/">https://www.chinacdc.cn/en/</a>	+86 24 25718881
Czech Republic	Toxicological Information Centre	<a href="https://www.cenia.cz/odborna-podpora/reach/bezpecnostni-listy/">https://www.cenia.cz/odborna-podpora/reach/bezpecnostni-listy/</a>	+420 22 49 192 93
Finland	Poison Information Centre	<a href="https://www.hus.fi/en/medical-care/medical-services/Poison%20Information%20Centre/Pages/default.aspx">https://www.hus.fi/en/medical-care/medical-services/Poison%20Information%20Centre/Pages/default.aspx</a>	0800 147 111 09 471 977
France	Centre antipoison et de toxicovigilance de Paris	<a href="https://reach-info.ineris.fr/Numero_orfila">https://reach-info.ineris.fr/Numero_orfila</a>	+33 (0)1 45 42 59 59
Germany	Clinical Toxicology and Berlin Poison Information Centre	<a href="https://www.reach-clp-biozid-helpdesk.de/DE/REACH/Sicherheitsdatenblatt/Sicherheitsdatenblatt-EN/Emergency-Telephone-number.html">https://www.reach-clp-biozid-helpdesk.de/DE/REACH/Sicherheitsdatenblatt/Sicherheitsdatenblatt-EN/Emergency-Telephone-number.html</a>	+49 30 192 40

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<b>Hong Kong</b>	Hong Kong Poison Information Centre	<a href="https://www.hkpcn.org.hk/eng/HKPIC.html">https://www.hkpcn.org.hk/eng/HKPIC.html</a>	+852 3949 5089
<b>Iceland</b>	Eitrunarmiðstöð Landspítali	<a href="http://www.landspitali.is/?PageID=14556">http://www.landspitali.is/?PageID=14556</a>	+354 543 22 22
<b>Iraq</b>	Poisoning consultation centre		+964 (0)780 191 3821
<b>Ireland</b>	National Poison Information Centre	<a href="https://www.poisons.ie">https://www.poisons.ie</a>	+353 1 8092566
<b>Italy</b>	Poison Centre – Catholic University School of Medicine	<a href="https://preparatipericolosi.iss.it/cav.aspx">https://preparatipericolosi.iss.it/cav.aspx</a>	+39 06 305 43 43
<b>Malta</b>	Medicines & Poisons Info Office	<a href="https://deputyprimeminister.gov.mt/en/Pages/health/asp">https://deputyprimeminister.gov.mt/en/Pages/health/asp</a>	112
<b>Netherlands</b>	Nationaal Vergiftigingen Informatie Centrum Uitsluitend bestemd om artsen te informeren bij accidentele vergiftigingen	<a href="https://www.umcutrecht.nl/nl/Subsites-nl/Nationaal-Vergiftigingen-Informatie-Centrum-(NVIC)/Productinformatie/Informationsheet-product-notification">https://www.umcutrecht.nl/nl/Subsites-nl/Nationaal-Vergiftigingen-Informatie-Centrum-(NVIC)/Productinformatie/Informationsheet-product-notification</a>	+31 30 274 88 88 +31 (0)88 755 8000
<b>New Zealand</b>	The National Poisons Centre	<a href="https://poisons.co.nz/">https://poisons.co.nz/</a>	0800 764 766 0800 POISON
<b>Philippines</b>	National Poison Management & Control Center	<a href="https://m.facebook.com/upnprmcc">https://m.facebook.com/upnprmcc</a>	+632 544 8400 local 3726
<b>Qatar</b>	Qatar Poison Centre		+974 4003 1111
<b>Saudi Arabia</b>	Drug and Poison Information Center	<a href="https://beta.sfda.gov.sa/en/toxicinfo-dept">https://beta.sfda.gov.sa/en/toxicinfo-dept</a>	+966 11 232 4180
<b>South Africa</b>	Tygerberg Poison Information Centre	<a href="https://www.sun.ac.za/english/faculty/healthsciences/Clinical%20Pharmacology/poison-information-centre">https://www.sun.ac.za/english/faculty/healthsciences/Clinical%20Pharmacology/poison-information-centre</a>	+27 (0)861 555 777
<b>Spain</b>	Servicio de Información Toxicológica	<a href="https://www.miteco.gob.es/es/calidad-y-evaluacion-ambiental/temas/productos-quimicos/portal-reach-clp/novedades/detalle_novedades.aspx?id=tcn:30-193752-16">https://www.miteco.gob.es/es/calidad-y-evaluacion-ambiental/temas/productos-quimicos/portal-reach-clp/novedades/detalle_novedades.aspx?id=tcn:30-193752-16</a>	+34 91 562 0420
<b>Switzerland</b>	Swiss Toxicological Information Centre	<a href="https://toxinfo.ch/startseite_en">https://toxinfo.ch/startseite_en</a>	+41 44 251 51 51 (in Switzerland dial 145)
<b>United Arab Emirates</b>	Health Poison and Drug Information Center	<a href="https://u.ae/en/information-and-services/justice-safety-and-the-law/handling-emergencies">https://u.ae/en/information-and-services/justice-safety-and-the-law/handling-emergencies</a>	+971 8 449 3333
<b>United Kingdom</b>	National Poisons Information Service	<a href="https://www.npis.org/">https://www.npis.org/</a>	844 892 0111
<b>USA</b>	National Capital Poison Center	<a href="https://www.poison.org/">https://www.poison.org/</a>	1-800-222-1222

In the case of country not listed above, contact your nearest local Poison Centre.

For further information refer to ECHA website for Poison Centres (<https://poisoncentres.echa.europa.eu/>).

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### SECTION 2: Hazards identification

#### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP), Hazard class	Hazard Category	Classification procedure
Serious eye damage/eye irritation, H318	1	GLP test data
Skin corrosion, H314	1B	GHS classification
Acute aquatic toxicity, H400	1	GHS classification
Chronic aquatic toxicity, H411	2	GHS classification

#### Label elements

Labelling according to Regulation (EC) No 1272/ 2008 [CLP]

#### Hazard pictogram(s)



GHS05



GHS09

#### Signal word

Danger

#### Hazard statements

H314 — Causes severe skin burns and eye damage.

H411 — Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P102	—	Keep out of reach of children.
P103	—	Read label before use.
P403 + P235	—	Store in a well-ventilated place and keep cool.
P264	—	Wash hands thoroughly after handling.
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.
P337 + P317	—	If eye irritation persists: Get emergency medical help.
P303 + P361 + P353	—	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P302 + P352	—	IF ON SKIN: Wash with plenty of water.
P332 + P317	—	IF SKIN irritation occurs: Get emergency medical help.

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P301 + P330 + P331	—	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304 + P340	—	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P273	—	Avoid release to the environment.
P391	—	Collect spillage.
P501	—	Dispose of container in suitable manner as is required by country legislation.

**Supplemental Hazard information**

EUH208	—	Contains polyhexamethylene biguanide hydrochloride, PHMB. May cause allergic reactions.
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**Other hazards**

None

### SECTION 3: Composition and information on ingredients

**Substances**

Not applicable

**Mixtures**

Substance name	CAS No EC No	Classification according Regulation (EC) No 1278/ 2008 [CLP] (100% pure substance classification)	Concentration (% w/w)
Di-decyl dimethyl-ammonium Chloride	7173-51-5 230-525-2	Acute Tox.; 3; H301/ Skin Corr.; 1B; H314 Aquatic Acute; 1; H400/ Aquatic Chronic; 1; H410	2.5 – 3.0 %
Benzyl (C12-16) Alkyl Dimethyl Ammonium chloride (BENZALKONIUM CHLORIDE)	68424-85-1 270-325-2	Acute Tox.; 4; H302/ Skin Corr.; 1B; H314/ Eye Dam.; 1; H318/ Aquatic Acute; 1; H400/ Aquatic Chronic; 1; H410	2.5 – 3.0 %
Poly (hexamethylene biguanide) Hydrochloride (PHMB)	27083-27-8 605-233-7	Acute Tox.; 4; H302/ Acute Tox.; 2; H330 Eye Dam.; 1; H318/ Skin Sens.; 1B; H317/ Carc.; 2; H351/ STOT RE1; H372/ Aquatic Acute; 1; H400/ Aquatic Chronic; 1; H410	0.3 – 0.5 %
Ingredients determined not to be hazardous			Balance

**Additional information:**

For full text of H- and EUH-statements, refer to SECTION 16.

### SECTION 4: First aid measures

**Description of first aid measures**
**General information**

In case of concern or doubt, call a doctor or physician.

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### Following inhalation

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

### Following skin contact

Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard.

### Following eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses if present. Continue flushing for at least 15 minutes, or until advised to stop by the Poisons Information Centre or a doctor. Seek immediate medical attention.

### Following ingestion

Do not induce vomiting. Wash out mouth thoroughly with water.

### Most important symptoms and effects, both acute and delayed

#### Symptoms/ effects following inhalation

None

#### Symptoms/ effects following skin contact

May be some irritation and reddening of the skin which will moderate after some time.

#### Symptoms/ effects following eye contact

May be some pain and reddening of the eye which will moderate after some time.

#### Symptoms/ effects following ingestion

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

### Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice immediately and show label if possible.

### Note to the doctor/ physician

Treat symptomatically.

## SECTION 5: Firefighting measures

### Extinguishing media

#### Suitable extinguishing media

Use appropriate fire extinguisher for surrounding environment.

#### Unsuitable extinguishing media

Do not extinguish with water under high pressure.

### Special hazards arising from the substance or mixture

#### Hazardous combustion products

This product is non-combustible. However, heating can cause expansion or decomposition leading to violent rupture of containers.

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### Advice for firefighters

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe distance and location.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Wear appropriate personal protective equipment and clothing to prevent exposure to clothing, skin and eyes. Increase ventilation.

#### For emergency responders

Have a copy of the SDS available. Use appropriate personal protective equipment.

### Environmental precautions

In case of entry into sewers or waterways, inform the responsible authorities in accordance with relevant regulations.

### Methods and material for containment and cleaning up

#### For containment

Contain the spill with appropriate material and techniques.

#### For cleaning up

Clean spillages immediately. Do not dilute material but contain it. Place inert absorbent material onto spillage. Collect the material and place into a suitable container.

### Reference to other sections

Refer to SECTIONS 8 and 13 for exposure control/ personal protection equipment and disposal considerations.

## SECTION 7: Handling and storage

### Precautions for safe handling

Avoid skin and eye contact. Keep containers sealed when not in use. Use in well-ventilated area. Wash hands and other exposed areas with soap and water prior to eating, drinking and smoking. Handle in accordance with good hygiene and safety procedures.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area. Protect from direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Ensure that storage conditions comply with applicable local and national regulations.

### Specific end use(s)

Refer to SECTION 1 for identified end use(s).

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### SECTION 8: Exposure controls and personal protection

#### Control parameters

#### Occupational exposure limits

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing medical conditions and/ or allergic reactions and should be kept to the least possible levels.

#### Biological limit values

No biological limits allocated.

#### Exposure limits at intended use

DNEL/ PNEC – values — No data available

#### Exposure controls

#### Appropriate engineering controls

Handle in premises with good ventilation. Eye rinsing facilities shall be available at the workplace.

#### Personal protection equipment

#### Eye and face protection



Wear eye protection when handling the concentrated product.

#### Skin protection



Wear skin protection when handling the concentrated product.

#### Respiratory protection

Wear a suitable respirator when handling the concentrated product or exposed to spray, mist or aerosol.

#### Environmental exposure controls

Refer to SECTION 12 for limitations on environmental exposure.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance	—	clear, colourless liquid
Odour	—	characteristic odour
Odour threshold	—	not available

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Melting point/ freezing point	—	not available
Boiling point	—	100°C
Flammability	—	not combustible
Lower and upper explosion limit	—	not available
Flash point	—	not available
Auto-ignition temperature	—	not available
Decomposition temperature	—	not available
pH (undiluted)	—	7.5
Viscosity	—	not available
Solubility in water	—	soluble
Partition coefficient	—	not known
Vapour pressure	—	not available
Density	—	1.0 g/cm <sup>3</sup>
Vapour density (air = 1)	—	not available

### Other information

No data available

## SECTION 10: Stability and reactivity

### Reactivity

The product contains no substances which could lead to hazardous reactions during normal use, handling and storage.

### Chemical stability

Stable when handled and stored under normal ambient conditions.

### Possibility of hazardous reactions

No hazardous reactions when handled and stored under normal ambient conditions.

### Conditions to avoid

Protect from direct sunlight.

### Incompatible materials

Do not mix with anionic detergents and other chemicals.

### Hazardous decomposition products

No known hazardous decomposition products.

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### SECTION 11: Toxicological information

#### Information on hazard classes as defined in Regulation (EC) No 1272/ 2008

Acute toxicity (oral) (rat)	—	Toxicity > 2 000 mg / kg (packed concentrate)
Acute toxicity (dermal) (rat)	—	Toxicity > 5 000 mg / kg (packed concentrate)
Skin corrosion/ irritation	—	Causes skin irritation
Serious eye damage/ irritation	—	Causes serious eye damage
Respiratory or skin sensitisation	—	None
Germ cell mutagenicity	—	None predicted based on data for the raw materials
Carcinogenicity	—	None predicted based on data for the raw materials
Reproductive toxicity	—	None predicted based on data for the raw materials
STOT-single exposure	—	No known hazards for occasional exposure
STOT-repeated exposure	—	No known hazards for repeated exposure
Aspiration hazard	—	Not expected to be an aspiration hazard
Inhalation toxicity	—	> 2 mg / L for 4-hour exposure

#### Information on other hazards

None

### SECTION 12: Ecological information

#### Toxicity

Acute (short-term) toxicity	—	Very toxic to aquatic life.
Chronic (long-term) toxicity	—	May cause long-term adverse effects in the aquatic environment.

#### Persistence and degradability

Product is readily biodegradable, and the product is neither persistent nor problematic metabolites are produced. The product is hydrolytically stable, and hydrolytic processes do not contribute to its degradation in the environment, it is neither volatile nor is it expected to be present in the air. It can be considered immobile in soil.

#### Bioaccumulative potential

No additional information available.

#### Mobility in soil

Not mobile in soil.

#### Results of PBT vPvB assessment

None of the substances in this mixture is considered to be persistent, bioaccumulating and toxic or considered to be very persistent and very bioaccumulating.

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### Endocrine disrupting properties

No additional information available.

### Other adverse effects

No additional information available.

## SECTION 13: Disposal considerations

### Waste treatment methods

Waste should not be disposed of by release to sewers. Dispose of this material and its container in a safe manner in accordance with relevant and applicable local and national regulations and/ or legislation. Avoid release to the environment.

## SECTION 14: Transport information

### UN number or ID number

UN 1760

### UN proper shipping name

Corrosive Liquid Substance, n.o.s. (Benzalkonium Chloride, Didecyldimethylammonium Chloride)

### Transport hazard class(es)



Class 8 — Corrosive substances

### Packing group

Packing Group I

### Environmental hazards



Hazardous to the environment

### Special precautions for user

None necessary.

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**Maritime transport in bulk according to IMO instruments**

Not applicable.

### SECTION 15: Regulatory information

**Safety, health and environmental regulations/ legislation specific for the substance or mixture**

Classified as Hazardous according to SANS 10234:2008 Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

South Africa — Act 36 Registration number: G3070

South Africa — SANS 636:2013 certified

**Chemical safety assessment**

No chemical safety assessment has been performed for this mixture.

### SECTION 16: Other information

**Indication of changes**

New format.

BAUA Number added (Section 1).

**Abbreviations and acronyms**

CAS	—	Chemical Abstracts Service Number
CLP	—	Classification Labelling Packaging Regulation
DNEL	—	Derived No Effect Level
EC	—	European Community
EPA	—	Environmental Protection Agency
ECHA	—	European Chemicals Agency
GHS	—	Globally Harmonized System
HSE	—	Health and Safety Executive
IMO	—	International Maritime Organisation
NRCS	—	National Regulator for Compulsory Specifications
OPPTS	—	Office of Prevention, Pesticides and Toxic Substances
PBT	—	Persistent Bioaccumulative and Toxic Substance
PNEC	—	Predicted No Effect Concentration(s)
SANS	—	South African National Standards
SDS	—	Safety Data Sheet
STOT	—	Specific Target Organ Toxicity
UN	—	United Nations

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vPvB	—	Very Persistent and Very Bioaccumulative
w/w	—	Weight by Weight

**Key literature references and sources for data**

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, Regulation (EC) 1272/ 2008 Annex I, as well as from actual test data performed on the product itself.

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/ 2008 [CLP]**

All classifications were done as per available test data or as per official European classification as listed per CLP and GHS regulations.

**Relevant H- and EUH-statements (number and full text)**

H301	—	Toxic if swallowed
H302	—	Harmful if swallowed
H314	—	Causes severe skin burns and eye damage
H317	—	May cause an allergic skin reaction
H318	—	Causes serious eye damage
H330	—	Fatal if inhaled
H351	—	Suspected of causing cancer
H372	—	Causes damage to organs through prolonged or repeated exposure
H400	—	Very toxic to aquatic life
H410	—	Very toxic to aquatic life with long lasting effects

**Training advice**

All personnel handling this product must be made aware of the content of the SDS and hazards of the product if any.

**Further information**

Not applicable.

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