

SAFETY DATA SHEET

Product: F10CL Disinfectant

Preparation date: 2022-07-01

Revision date: 2022-07-01

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

Product identifier

Product form	Mixture
Trade name(s)	F10CL Disinfectant F10CL Veterinary Disinfectant F10CL Avian Disinfectant Concentrate F10CL Reptile Disinfectant Concentrate F10 Veterinary Disinfectant Concentrate F10 Avian Disinfectant Concentrate F10 Reptile Disinfectant Concentrate F10 VetPro Disinfectant Concentrate F10 Veterinary Professional Disinfectant Concentrate

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, equipment and air spaces.
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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 / info@f10products.com
Emergency contact number(s)	+27 (0) 11 474 1668

Country	Organisation	Website	Emergency number
Australia	Poisons Information Centre	https://www.health.qld.gov.au/poisonsinformationcentre	13 11 26
Belgium	Centre Anti-Poisons/ Antigifcentrum	https://www.poisoncentre.be/	+32 70 245 245
Canada	BC Drug and Poison Information Center	https://www.dpic.org	+1 604 707 2789
China	National Poison Control Center	https://www.npcc.org.cn/	+86 10 831 323 45
Czech Republic	Toxicological Information Centre	https://www.tis-cz.cz	+420 22 49 192 93

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Finland	Poison Information Centre	https://www.hus.fi/en/medical-care/medical-services/Poison%20Information%20Centre/Pages/default.aspx	0800 147 111 09 471 977
France	Centre antipoison et de toxicovigilance de Paris	https://www.centres-antipoison.net	+33 (0)1 40 05 48 48
Germany	Clinical Toxicology and Berlin Poison Information Centre	https://www.giftnotruf.de	+49 30 192 40
Hong Kong	Hong Kong Poison Information Centre	http://www.hkpcn.org.hk/eng/hkpic.html	+852 3949 5089
Iceland	Eitrunarmiðstöð Landspítali	http://www.landspitali.is/?PageID=14556	+354 543 22 22
Iraq	Poisoning consultation centre	http://www.medicalcity-iq.net/en/displaySection.php?type=subSec&nid=38	+964 (0)780 191 3821
Ireland	National Poison Information Centre	https://www.poisons.ie	+353 1 8092566
Italy	Poison Centre – Catholic University School of Medicine	https://www.tox.it	+39 06 305 43 43
Malta	Medicines & Poisons Info Office	https://deputyprimeminister.gov.mt/en/Pages/health.aspx	112
Netherlands	Nationaal Vergiftigingen Informatie Centrum Uitsluitend bestemd om artsen te informeren bij accidentele vergiftigingen	https://www.umcutrecht.nl/nl/Subsites-nl/Nationaal-Vergiftigingen-Informatie-Centrum-(NVIC)/Productinformatie/Informatiesheet-product-notification	+31 30 274 88 88 +31 (0)88 755 8000
New Zealand	The National Poisons Centre	https://www.poisons.co.nz	0800 764 766 0800 POISON
Philippines	National Poison Management & Control Center	toxinfo@uppoisoncenter.org	+632 544 8400 local 3726
Saudi Arabia	Drug and Poison Information Center		+966 11 442 7604
South Africa	Tygerberg Poison Information Centre	toxicology@sun.ac.za	+27 (0)861 555 777
Spain	Servicio de Información Toxicológica	https://www.miteco.gob.es/es/calidad-y-evaluacion-ambiental/temas/productos-quimicos/portal-reach-clp/novedades/detalle_novedades.aspx?id=tcm:30-193752-16	+34 91 562 0420
Switzerland	Swiss Toxicological Information Centre	https://www.toxi.ch	+41 44 251 51 51 (in Switzerland dial 145)
United Arab Emirates	Health Poison and Drug Information Center	https://www.pdic.haad.ae	+971 8 449 3333
United Kingdom	National Poisons Information Service	https://www.npis.org/	844 892 0111
USA	National Capital Poison Center	https://www.poison.org	1-800-222-1222

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

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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
Skin irritation, H315	2	GHS Classification
Chronic aquatic toxicity, H411	2	GHS classification

Label elements

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

Hazard pictogram(s)



GHS07



GHS09

Signal word

Warning

Hazard statements

H315 — Causes skin irritation.

H411 — Toxic to aquatic life with long lasting effects.

Precautionary statements

- P101 — If medical advice is needed, have product container or label at hand.
- P102 — Keep out of reach of children.
- P103 — Read label before use.
- 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.

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P302 + P352	—	IF ON SKIN: Wash with plenty of water.
P332 + P317	—	IF SKIN irritation occurs: Get emergency medical help.
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

Not applicable

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	0.5 – 0.7 %
Benzyl (C12-16) Alkyl Dimethyl Ammonium chloride	68424-85-1 270-325-2	Acute Tox.; 4; H302/ Skin Corr.; 1B; H314 Aquatic Acute; 1; H400/ Aquatic Chronic; 1; H410	0.5 – 0.7 %
Poly (hexamethylene biguanide) Hydrochloride	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	0.07 – 0.09 %
Ingredients determined not to be hazardous			Balance

Additional information:

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

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SECTION 4: First aid measures

Description of first aid measures

General information

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

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.

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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.

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.

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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).

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

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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.

Skin protection

None required. Care should be exercised to prevent contact with skin.

Respiratory protection

No respiratory protection required.

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	—	slight natural odour
Odour threshold	—	not available
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

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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.

SECTION 11: Toxicological information

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

Acute toxicity (oral) (rat)	—	Toxicity > 10 000 mg / kg (packed concentrate)
Acute toxicity (dermal) (rat)	—	Toxicity > 20 000 mg / kg (packed concentrate)
Skin corrosion/ irritation	—	Causes skin irritation
Serious eye damage/ irritation	—	Causes eye irritation
Respiratory or skin sensitisation	—	None
Inhalation Toxicity	—	None (>EPA Category 4 x (packed concentrate)
Germ cell mutagenicity	—	None predicted based on data for the raw materials

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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

Information on other hazards

None

SECTION 12: Ecological information

Toxicity

Acute (short-term) toxicity	—	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.

Endocrine disrupting properties

No additional information available.

Other adverse effects

No additional information available.

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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

None allocated. Not classified as dangerous goods.

UN proper shipping name

None allocated.

Transport hazard class(es)

None allocated.

Packing group

Not applicable.

Environmental hazards

Not applicable.

Special precautions for user

None necessary.

Maritime transport in bulk according to IMO instruments

Not applicable.

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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	—	NRCS Registered (NRCS/8054/276279/266)
South Africa	—	SANS 636:2013 certified
South Africa	—	SANS 1853:2020 certified

Chemical safety assessment

No chemical safety assessment has been performed for this mixture.

SECTION 16: Other information

Indication of changes

New format.

Abbreviations and acronyms

EC	—	European Community
GHS	—	Globally Harmonized System
CLP	—	Classification Labelling Packaging Regulation
CAS	—	Chemical Abstracts Service Number
SDS	—	Safety Data Sheet
DNEL	—	Derived No Effect Level
PNEC	—	Predicted No Effect Concentration(s)
STOT	—	Specific Target Organ Toxicity
PBT	—	Persistent Bioaccumulative and Toxic Substance
vPvB	—	Very Persistent and Very Bioaccumulative
UN	—	United Nations
IMO	—	International Maritime Organisation
SANS	—	South African National Standards
w/w	—	Weight by Weight

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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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