



HEALTH AND HYGIENE Safety Data Sheet

Product: F10 Super Concentrate Disinfectant

Revision Date: 17 February 2020

Revision Number: 004

Print date: 26 March 2020

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

Product identifier

Product Name: F10 Super Concentrate Disinfectant

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

As an antimicrobial disinfectant solution, used for the disinfection of hard surfaces, equipment and air spaces.

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

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 F10 Super Concentrate Disinfectant undiluted product)

GHS classification:

Signal Word

Danger

Hazard class	Hazard category	Classification procedure
Eye damage/irritation	1	On the basis of GLP test data
Chronic Aquatic toxicity	3	GHS classification

Hazard statements

H318: Causes serious eye damage

H412: Harmful to aquatic life



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Precautionary statements

P280: Wear correct eye safety equipment when handling this mixture.

P273: Avoid release into the environment

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.

P501: Dispose of container in suitable manner as is required by country legislation

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

SECTION 3: Composition/Information on ingredient

Ingredients

Name	CAS Number	Proportion
Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	5.4 %
Polymeric Biguanide Hydrochloride	27083-27-8	0.4 %
Non-toxic Ampholytic Surfactants and Sequesterants		Balance

SECTION 4: First aid measures

Following contact with eyes

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. 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 skin contact

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

Following inhalation

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



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Following ingestion

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

Advice to Doctor

Treat symptomatically.

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 F10SC Disinfectant undiluted product)

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

Follow First Aid Procedures.

SECTION 5: Fire-fighting measures

Suitable Extinguishing media

Use appropriate fire extinguisher for surrounding environment.

Hazards from Combustion Products

Non-combustible material.

Specific Hazards Arising from the chemical

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

Special protective equipment and precautions for fire fighters

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



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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment and clothing to prevent exposure to clothing, skin and eyes. Increase ventilation. Dispose of waste according to the applicable local and national regulations.

Environmental precautions

If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Methods and materials for containment and clean up

If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable container. Do not dilute material but contain it

SECTION 7: Handling and storage

Precautions for safe handling

Avoid skin or eye contact. Keep containers sealed when not in use. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, and smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulation.

SECTION 8: Exposure controls/personal protection

Occupational exposure limit values

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

Biological Limit Values



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No biological limits allocated

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Appropriate Engineering Controls

No engineering controls required

Respiratory Protection

No respiratory protection required

Eye Protection

Wear eye protection.

Hand Protection

None required, however care should be exercised to prevent contact with skin.

SECTION 9: Physical and chemical properties

Appearance:	clear, colourless liquid.
Odour:	characteristic odour
Odour threshold:	not available
pH:	7.5
Melting point/freezing point	not available
Boiling point:	100°C
Flash point:	not available
Evaporation rate	not available
Flammability:	not combustible
Vapour pressure:	not available
Vapour density (air=1)	not available
Density:	1.0
Solubility in water:	soluble
Partition coefficient	not known
Auto-ignition temperature	not available
Decomposition temperature	not available
Viscosity	5mpa



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SECTION 10: Stability and reactivity

Chemical stability

Stable under normal conditions of storage and handling.

Possibility of hazardous reactions

Stable under normal conditions of storage and handling

Conditions to Avoid

Do not mix with soaps and other chemicals.

Incompatible materials

Anionic detergents / chemicals.

Hazardous Decomposition Products

Not available

Possibility of hazardous reactions

Not available

SECTION 11: Toxicological information

Toxicity	Packed Concentrate	Use Dilutions (1:100 and higher)
Acute Oral Toxicity: (Rat)	Toxicity >2000mg per kg	No toxicity (>200000mg per kg)
Acute Dermal Toxicity: (Rat)	Toxicity >5000mg per kg	No toxicity (>500 000mg per kg)
Acute Eye Irritation	Causes serious eye 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	



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Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Inhalation

None

Skin

None

Eye

May Cause eye damage.

Respiratory sensitisation

Not a respiratory sensitiser.

Skin Sensitisation

Not a skin sensitiser.

STOT-single exposure

Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

Aspiration Hazard

Not expected to be an aspiration hazard.

SECTION 12: Ecological information

Eco toxicity

The available ecological data is given below.

Persistence and degradability

Biodegradable

Mobility

Not mobile

Bioaccumulative Potential

Not available



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Other Adverse Effects

Not available

Environmental Protection

Prevent this material entering waterways, drains and sewers.

Acute Toxicity – Fish

LC50 (fish): Not available

Acute Toxicity – Daphnia

LC50 (Daphnia): Not available

SECTION 13: Disposal considerations

The disposal of the spill waste material must be done in accordance with applicable local and national regulations.

SECTION 14: Transport information (according to SANS 10228 and 10229-1)

UN Number: None allocated

UN Proper Shipping Name: None allocated

Transport Hazard Classes

None allocated

IMDG Marine pollutant

No

SECTION 15: Regulatory information

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

Act 36 Registration Number: G2781



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SECTION 16: Other information

16.1 Abbreviations and acronyms

CAS	Chemical Abstracts Service
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

Other Information

Date of preparation or last revision of SDS

SDS Created: October 2015. Prepared according to SANS 10234:2008: Globally Harmonized System of classification and labelling of chemicals (GHS)

References

SANS 10234:2008: Globally Harmonized System of classification and labelling of chemicals (GHS)

SANS 10234:2008: ANNEX C: Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice

SANS 10228: The identification and classification of dangerous goods for transport