



HEALTH AND HYGIENE Safety Data Sheet

Product: F10 Germicidal Wound Spray with Insecticide

Revision Date: 9 July 2020

Revision Number: 004

Print date: 04 September 2020

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

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

Product identifier

Product Name: **F10 Germicidal Wound Spray with Insecticide**

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

A long acting antiseptic barrier spray with insecticide to repel insects and eliminate fly strike infestations.

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

GHS Classification

Signal word

Warning

Hazard class	Hazard category	Classification procedure
Flammable liquid	3	GHS classification



Hazard statements

H226 Flammable liquid and vapour

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking

P370+P378 In case of fire, use water, carbon dioxide or dry chemical for extinction

P403+P235 Store in a well ventilated place and keep cool.

P501 Dispose of contents/container in accordance with local regulations



HEALTH AND HYGIENE Safety Data Sheet

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SECTION 3: Composition/information on ingredients

Ingredients

Name	CAS number	Proportion
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	0.1-1.0%
Poly(hexamethylene biguanide) Hydrochloride	27083-24-8	0.01-.0.1%
Ethanol	64-17-5	1-10%
Cypermethrin	52315-07-8	0.25%
Ingredients determined not to be hazardous		Balance

SECTION 4: First aid measures

4.1. Description of first aid measures

Following contact with eyes

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses, if present and easy to do. 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.

Following ingestion

Do not induce vomiting. Give milk or water to drink. Seek immediate medical attention.

Advice to Doctor

Treat symptomatically



HEALTH AND HYGIENE Safety Data Sheet

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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

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

Flammable

Specific hazards arising from the chemical

Flammable

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

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

Do not allow contact with soil, surface or ground water. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.



HEALTH AND HYGIENE Safety Data Sheet

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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 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 Limits:

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

No biological limits allocated

Appropriate Engineering Controls

No engineering controls required

Respiratory Protection

No respiratory protection required

Eye Protection

None required

Hand Protection

None required.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	clear pale straw or red coloured liquid.
Odour:	an alcohol odour
Odour threshold:	not available
pH:	7.0
Melting point/freezing point	not available
Boiling point:	90°C
Flash point:	not available
Evaporation rate	not available
Flammability:	flammable
Vapour pressure:	not available
Vapour density (air=1)	not available
Density:	1.01
Solubility in water:	soluble
Partition coefficient	not known
Auto-ignition temperature	not available
Decomposition temperature	not available
Viscosity	5mpa

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



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SECTION 11: Toxicological information

Information on toxicological effects

Toxicity	
Acute Oral Toxicity: (Rat)	No toxicity (>5000mg/L)
Acute Dermal Toxicity: (Rat)	No toxicity(>20 000mg/kg)
Acute Eye Irritation	None
Acute Dermal Irritation	None
Acute Inhalation Toxicity	No toxicity(>2mg/L)
Skin Sensitization	Not a skin sensitizer
Carcinogenicity, mutagenicity And toxicity for reproduction	Not considered to be carcinogenic, mutagenic or toxic to reproduction

Ingestion

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

Inhalation

None

Skin

None

Eye

None.

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.



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SECTION 12: Ecological information

Eco toxicity

The available ecological data is given below.

Persistence and degradability

Not available

Mobility

Not available

Bioaccumulative Potential

Not available

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: 1170

UN Proper Shipping Name: Ethyl alcohol

Transport Hazard Classes

Flammable



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IMDG Marine pollutant

No

SECTION 15: Regulatory information

Act 36 Registration Number: G3818

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

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
w/w	Weight by weight

Other Information

Date of preparation or last revision of SDS

SDS Created: July 2020. 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

SANS 11014: 2010: Safety data sheet for chemical products – content and order of sections