



# HEALTH AND HYGIENE Safety Data Sheet

**Product: F10 Sterilant**

Revision Date: 20 October 2015

Revision Number: 002

Print date: 16 November 2015

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

### Product identifier

Product Name: **F10 Sterilant**

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

Biodegradable ready to use sterilizing solution for heat sensitive devices and surgical instruments

### 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](mailto: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:

None

### Hazard statements

None

## SECTION 3: Composition/Information on ingredients

### Ingredients

Name	CAS Number	Proportion
Benzalkonium chloride	68424-85-1	0.01-0.1 %
Polymeric Biguanide Hydrochloride	27083-27-8	0.001-0.01 %
Ingredients determined not to be hazardous		Balance



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### SECTION 4: 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.

#### ***Following skin contact***

None

#### ***Following inhalation***

None

#### ***Following ingestion***

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

#### **Advice to Doctor**

Treat symptomatically.

### 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

No special precautions are required. 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

No biological limits allocated



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### Appropriate Engineering Controls

No engineering controls required

### Respiratory Protection

No respiratory protection required

### Eye Protection

None required

### Hand Protection

None required

None required

## SECTION 9: Physical and chemical properties

Appearance:	clear, colourless liquid.
Odour:	slight natural 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:	1.00
Solubility in water:	soluble
Partition coefficient	not known
Auto-ignition temperature	not available
Decomposition temperature	not available
Viscosity	1mpa

## SECTION 10: Stability and reactivity

### Chemical stability

Stable under normal conditions of storage and handling.



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### 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

This product does not contain any ingredients at levels classified as hazardous by GHS.

### Toxicity

Acute Oral Toxicity:	None
Acute Dermal Toxicity	None
Acute Eye Irritation	None
Acute Dermal Irritation	None
Acute Inhalation Toxicity	None
Skin Sensitization	Not considered to be a sensitiser
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



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### 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.

## SECTION 12: Ecological information

### Eco toxicity

The available ecological data is given below.

### Persistence and degradability

Biodegradable

### Mobility

Not mobile

### Bioaccumulative Potential

Not available

### Other Adverse Effects

Not available

### Environmental Protection

Not available.

### Acute Toxicity – Fish

Not available

### Acute Toxicity – Daphnia

Not available



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### SECTION 13: Disposal considerations

Soak up on an inert material e.g. dry earth and dispose of in an area approved by local authority.

### 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

Not 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
vPvB	Very persistent, very bio-accumulative
w/w	Weight by weight



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### 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