



# HEALTH AND HYGIENE Safety Data Sheet

**Product: F10 Sterilant with Rust Inhibitor**

Revision Date: 25 June 2020

Revision Number: 004

Print date: 11 September 2020

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

### Product identifier

Product Name: **F10 Sterilant with Rust Inhibitor**

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

As an antimicrobial disinfectant ready to use solution for sterilising 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
Alkyl Dimethyl Benzyl Ammonium chloride	68424-85-1	0.01-0.1 %
Poly(hexamethylene 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

#### 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 medical attention.

##### *Following skin contact*

None

##### *Following inhalation*

None

##### *Following ingestion*

Do not induce vomiting. Give milk or water to drink.

##### *Advice to Doctor*

Treat symptomatically.

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

**Eyes:** None

**Skin:** None

**Inhalation:** None

**Ingestion:** None

**Environment:** None

#### 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.



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### 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.

## 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.



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### 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

### 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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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.

#### 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

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

Toxicity	
Acute Oral Toxicity: (Rat)	Not available
Acute Dermal Toxicity: (Rat)	Not available
Acute Eye Irritation	Not available
Acute Dermal Irritation	Not available
Acute Inhalation Toxicity	Not available
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

Biodegradable

#### Mobility

Not mobile

#### Bioaccumulative Potential

Not available

#### Other Adverse Effects

Not available

#### Environmental Protection

Not available.

#### 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 or empty used container 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



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### 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

#### Other Information

##### Date of preparation or last revision of SDS

SDS Created: June 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