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

1.1 Product identifier
Product Name: F10 DISINFECTANT AEROSOL/FOGGER

1.2. Relevant identified uses of the substance or mixture and uses advised against
F10 DISINFECTANT AEROSOL/FOGGER is a Biodegradable multi-purpose disinfectant for hard surfaces, equipment and airspaces

1.3. 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

1.4. 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

2.1. Classification of the substance or mixture
2.1.1 According to CLP Regulation (EC 1272/2008) & Directive 75/324/EEC on Aerosol Dispensers

<table>
<thead>
<tr>
<th>Hazard class</th>
<th>Hazard category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Aerosol</td>
<td>1</td>
</tr>
</tbody>
</table>

Hazard statements
H222: Extremely flammable aerosol
HEALTH AND HYGIENE
Safety Data Sheet

Product: F10 Disinfectant Aerosol/Fogger

Revision Date: 11 May 2015  Revision Number: 002  Print date: 08 July 2015

### 2.2. Label elements

According to Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td>P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.</td>
</tr>
<tr>
<td>P211 Do not spray on an open flame or other ignition source.</td>
</tr>
<tr>
<td>P251 Pressurized container: Do not pierce or burn, even after use.</td>
</tr>
<tr>
<td>P410+412 Protect from sunlight. Store at temperatures not exceeding 50 °C/122 °F</td>
</tr>
<tr>
<td>P102 Keep out of reach of children.</td>
</tr>
</tbody>
</table>

### 2.3. Other hazards

F10 Disinfectant Aerosol/Fogger does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

### SECTION 3: Composition/information on ingredients based on 100% pure material

#### 3.1. MIXTURE

<table>
<thead>
<tr>
<th>IUPAC name</th>
<th>EC number</th>
<th>CAS number</th>
<th>CLP Classification based on 100% pure material</th>
<th>Actual concentration in F10 Aerosol/Fogger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>200-578-6</td>
<td>64-17-5</td>
<td>Flam. Liq. 2 H225; Eye Irrit. 2</td>
<td>40-60%%</td>
</tr>
<tr>
<td>Butane</td>
<td>203-448-7</td>
<td>106-97-8</td>
<td>Flam. Gas 1 H220</td>
<td>10-20%%</td>
</tr>
<tr>
<td>Alkyl(C12-16)dimethylbenzylammonium Chloride</td>
<td>270-325-2</td>
<td>68424-85-1</td>
<td>Acute Toxicity, 4 H302; Skin Corrosive, 1B H314; Eye Damage, 1 H318; Aquatic Acute 1 H400</td>
<td>0.01-0.1%</td>
</tr>
<tr>
<td>C10 Alcohol ethoxylate</td>
<td>No Information</td>
<td>160875-66-1</td>
<td>Acute Toxicity, 4; H302; Eye Damage, 1; H318; Aquatic Acute 3; H402</td>
<td>0.01-0.1%</td>
</tr>
<tr>
<td>Polyhexamethylene; bguanide hydrochloride</td>
<td>No Information</td>
<td>32289-58-0</td>
<td>Acute Toxicity,4 H302; Skin Irritation, 2; H315; Skin Sensitive, 1B H317; Eye Damage, 1 H318; Aquatic Acute 1 H400; Carc 2 H351</td>
<td>0.001-0.01%</td>
</tr>
</tbody>
</table>

Page 2 of 9
SECTION 4: First aid measures

4.1. Description of first aid measures

**IF SWALLOWED**: Rinse mouth. Do NOT induce vomiting

**IF IN EYES**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**IF ON SKIN**: Wash with plenty of soap and water.

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**: None

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

Follow First Aid Procedures.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for fire-fighters

Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves and eye protection if the quantity warrants it.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Wear protective equipment as described under Section 8 and follow the advice for safe handling and use given under Section 7.

6.1.2 For emergency responders
Emergency procedures are not required.

6.2. Environmental precautions
Do not dispose of into surface water or the sanitary sewer system or into bodies of water (e.g. streams).

6.3. Methods and material for containment and cleaning up
If liquid from aerosol/fogger spills, soak up with an inert absorbent material, such as dry earth. Keep in suitable containers for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.1.1 Protective measures
Follow the recommendations as given under Section 8.

**Measures to prevent fire**
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Do not expose to temperatures exceeding 50 °C/122 °F

**Measures to prevent aerosol and dust generation**
Not applicable.

**Measure to protect the environment**
Do not dispense into aquatic systems

7.1.2 Information on general occupational hygiene
Do not handle or store near food and beverages or smoking materials.
Use protective gloves to avoid skin contact.

7.2. Conditions for safe storage, including any incompatibilities
F10 Aerosol/Fogger must be stored in below 30°C/86°F in dry conditions.
7.3. **Specific end use(s)**

No additional information for the specific end uses (see section 1.2).

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**SECTION 8: Exposure controls/personal protection**

8.1. **Occupational Exposure Limits:**

No data available.

8.2. **Engineering Control Measures**

None required

8.3 **Personal Protection**

Respiratory – None required
Skin – None required, however care should be exercised to prevent contact with skin
Eye – Avoid contact with eyes or skin

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**SECTION 9: Physical and chemical properties**

9.1. **Information on basic physical and chemical properties**

- **Appearance:** Clear, colourless liquid in an aerosol can
- **Odour:** slight alcohol odour
- **pH:** 7.5
- **Boiling point:** Not known
- **Flash point:** Not known
- **Flammability:** Flammable
- **Explosive properties:** Not explosive
- **Oxidising properties:** none
- **Vapour pressure:** not known
- **Density:** 0.80
- **Solubility-water:** soluble

9.2. **Other information**

Not applicable.
SECTION 10: Stability and reactivity

10.1. Reactivity

This product is unlikely to react or decompose under normal storage conditions.

10.2. Chemical stability

This product should be kept in a cool place, preferably below 30°C/86°F. Keep away from sources of sparks or ignition.

10.3. Possibility of hazardous reactions

Not applicable.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity: None
Irritation: Irritating to the eyes
Corrosivity: Not corrosive
Sensitisation: Not a sensitiser
Repeated dose toxicity: Not known
Not carcinogenic, Mutagenic or toxic for reproduction

SECTION 12: Ecological information

12.1. Eco toxicity Values:

Aquatic Toxicity: Not known

12.2. Persistence and degradability

Biodegradable and non-persistent

12.3. Bioaccumulative potential

No known adverse effects from normal use.
12.4. **Mobility in soil**

Not known

12.5. **Results of PBT and vPvB assessment**

This product is not identified as a PBT substance.

12.6. **Other adverse effects**

Not relevant.

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**SECTION 13: Disposal considerations**

13.1. **Disposal methods**

Dispose of in accordance with local regulations.
Do not dispose of into sewage systems or surface waters.
Do not pierce or burn, even after use.

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**SECTION 14: Transport information**

ADR/RID Class: 2.1 Aerosols
IMDG Class: 2.1 Aerosols
IATA Class: 2.1 Aerosols

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**SECTION 15: Regulatory information**

15.1. **Chemical Safety Assessment**

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.
16.1 Abbreviations and acronyms

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification, labelling and packaging (Regulation (EC) No 1272/2008)</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, bio-accumulative and toxic</td>
</tr>
<tr>
<td>REACH</td>
<td>Registration, Evaluation and Authorisation of Chemicals</td>
</tr>
<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very persistent, very bio-accumulative</td>
</tr>
<tr>
<td>w/w</td>
<td>Weight by weight</td>
</tr>
</tbody>
</table>

16.2 Additional Information

Full text of H-Statements referenced in Section 2 and 3

- H 220 Extremely flammable gas
- H222 Extremely flammable aerosol
- H223 Flammable aerosol
- H225 Highly flammable liquid and vapour

- H302 Harmful if swallowed
- H314 Causes severe skin burns and eye damage
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H400 Very toxic to aquatic life
- P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P410 + 412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

16.3 Training advice

Companies utilising this product must ensure that the relevant personnel read, understand and apply the requirements of this data sheet.

16.4 Disclaimer

The information on this data sheet is based on the current available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging.