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

1.1. Product identifier

Product form: Mixture
Trade name: Spor-Klenz® Ready To Use Sporicide/Disinfectant
Product code: 6525

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

1.2.1. Relevant identified uses

Industrial/Professional use spec: For professional use only
Use of the substance/mixture: Hard Surface Antimicrobial

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer:
STERIS Corporation
P. O. Box 147, St. Louis, MO 63166, US
Telephone Number for Information: 1-800-444-9009 (Customer Service-Scientific Products)
US Emergency Telephone No.1-314-535-1395 (STERIS); 1-800-424-9300 (CHEMTREC)

Supplier:
Allied Scientific Products
102 Bakehouse Rd.
Kensington Vic. 3031
Australia
Telephone: 1300 244724
Level 4
17 Albert St.
Auckland CBD 1010
New Zealand
Tel: 0508 338 423, Fax: 649 9913 2009.

1.4. Emergency telephone number

Emergency number: 1 800 429 551 (24 hours) Australia
0508 338 423 (New Zealand)
1-703-741-5970 (CHEMTREC International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to NOHSC:
Hazardous Substance, Non-Dangerous Goods

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin Corr. 1A  H314

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP): GHS05

Signal word (CLP): Danger

Hazard statements (CLP): H314 - Causes severe skin burns and eye damage
P260 - Do not breathe mist, fume, spray, vapours
P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves/protective clothing and eye/face protection
P301+P330+P331 - If swallowed: Rinse mouth. Do NOT induce vomiting
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
**SECTION 3: Composition/information on ingredients**

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>(CAS No) 64-19-7</td>
<td>&lt; 10</td>
<td>Flamm. Liq. 3, H226, Skin Corr. 1A, H314</td>
</tr>
<tr>
<td>Hydrogen peroxide</td>
<td>(CAS No) 7722-84-1</td>
<td>1</td>
<td>Ox. Liq. 1, H271, Acute Tox. 4 (Oral), H302, Acute Tox. 4 (Inhalation), H332, Skin Corr. 1A, H314, STOT SE 3, H335, Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>Peroxyacetic acid</td>
<td>(CAS No) 79-21-0</td>
<td>0.08</td>
<td>Flamm. Liq. 3, H226, Org. Perox. D, H242, Acute Tox. 3 (Oral), H301, Acute Tox. 4 (Dermal), H312, Acute Tox. 2 (Inhalation:dust,mist), H330, Skin Corr. 1A, H314, STOT SE 3, H335, Aquatic Acute 1, H400</td>
</tr>
<tr>
<td>Other Non-Hazardous Components</td>
<td>NA</td>
<td>Up to 100</td>
<td>NA</td>
</tr>
</tbody>
</table>

Full text of EUH-phrases; see section 16

**SECTION 4: First aid measures**

4.1. **Description of first aid measures**

- **First-aid measures general**: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- **First-aid measures after inhalation**: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately get medical attention.
- **First-aid measures after skin contact**: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing with plenty of water for several minutes.
- **First-aid measures after eye contact**: In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. In all cases of doubt, or when symptoms persist, seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing with plenty of water for several minutes.
- **First-aid measures after ingestion**: Rinse mouth. Give water to drink if victim completely conscious/alert. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

- **Symptoms/injuries**: Causes severe skin burns and eye damage.
- **Symptoms/injuries after inhalation**: May cause minor irritation to the respiratory tract and to other mucous membranes. The following symptoms may occur: Runny nose. Sore throat. Coughing, Sneezing.
- **Symptoms/injuries after skin contact**: Severe skin irritant. Effects of skin contact may include: irritation and burn feeling.
- **Symptoms/injuries after eye contact**: Causes serious eye damage. Direct contact may cause severe irritation, pain and burns, possibly severe, and permanent damage including blindness.
- **Symptoms/injuries after ingestion**: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Bleeding of the gastrointestinal tract.

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

No additional information available

**SECTION 5: Firefighting measures**

5.1. **Extinguishing media**

- **Unsuitable extinguishing media**: Do not use a heavy water stream.

5.2. **Special hazards arising from the substance or mixture**

5.3. Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Protective equipment for firefighters: Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus.

Other information: Do not mix with: chlorinated products as this could liberate toxic corrosive chlorine gas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Do not breathe fumes, vapors. Avoid contact with skin, eyes and clothes.

6.1.1. For non-emergency personnel

Protective equipment: Wear suitable protective clothing. Wear protective gloves and eye/face protection. Boots.

Emergency procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Relevant water authorities should be notified of any large spillage to water course or drain.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Leftovers: neutralize with sodium bicarbonate. Neutralise with dry sodium carbonate.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe gas, fumes, vapour or spray. Keep container tightly closed to avoid moisture absorption and contamination.

Hygiene measures: Wash hands thoroughly after handling. Take care for general good hygiene and housekeeping.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations. A washing facility/water for eye and skin cleaning purposes should be present. Provide adequate ventilation.

Storage conditions: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Keep out of reach of children.


Storage temperature: < 24 °C ( < 75°F )

Heat and ignition sources: Store away from excessive heat. Remove all sources of ignition.

Storage area: Store in dry, cool, well-ventilated area.

Special rules on packaging: Correctly labelled.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>USA IDLH (ppm)</th>
<th>USA NIOSH NIOSH REL (TWA) (mg/m³)</th>
<th>USA OSHA OSHA PEL (TWA) (mg/m³)</th>
<th>United Kingdom WEL TWA (mg/m³)</th>
<th>United Kingdom WEL STEL (mg/m³)</th>
<th>United Kingdom WEL STEL (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide (7722-84-1)</td>
<td>75 ppm</td>
<td>1.4 mg/m³</td>
<td>1.4 mg/m³</td>
<td>1.4 mg/m³</td>
<td>2.8 mg/m³</td>
<td>2 ppm</td>
</tr>
<tr>
<td>Acetic acid (64-19-7)</td>
<td>50 ppm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

09/11/2019 EN (English) SDS Ref: 6525AU
Spor-Klenz® Ready To Use
Sporicide/Disinfectant
Safety Data Sheet
according to Regulation (EC) No. 126/2017

Acetic acid (64-19-7)

<table>
<thead>
<tr>
<th>Acetic acid (64-19-7)</th>
<th>USA NIOSH NIOSH REL (TWA) (mg/m³)</th>
<th>25 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA NIOSH NIOSH REL (TWA) (ppm)</td>
<td>10 ppm</td>
<td></td>
</tr>
<tr>
<td>USA NIOSH NIOSH REL (STEL) (mg/m³)</td>
<td>37 mg/m³</td>
<td></td>
</tr>
<tr>
<td>USA NIOSH NIOSH REL (STEL) (ppm)</td>
<td>15 ppm</td>
<td></td>
</tr>
<tr>
<td>USA OSHA OSHA PEL (TWA) (mg/m³)</td>
<td>25 mg/m³</td>
<td></td>
</tr>
<tr>
<td>USA OSHA OSHA PEL (TWA) (ppm)</td>
<td>10 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Peroxyacetic acid (79-21-0)

<table>
<thead>
<tr>
<th>Peroxyacetic acid (79-21-0)</th>
<th>USA ACGIH ACGIH STEL (ppm)</th>
<th>0.4 ppm (inhalable fraction and vapor)</th>
</tr>
</thead>
</table>

8.2. Exposure controls
Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation.

Personal protective equipment: Avoid all unnecessary exposure. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. The following pictograms represent the minimum requirements for personal protective equipment. Protective clothing. Gloves. Protective goggles. Protective eyewear. Hand protection: Wear protective gloves, rubber or nitrile gloves.
Eye protection: Chemical goggles or face shield.
Skin and body protection: Wear suitable protective clothing. Rubber apron, boots.
Respiratory protection: Work in well-ventilated zones or use proper respiratory protection. Wear approved mask.
Other information: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: Colourless
Odour: Acidic. Characteristic
Odour threshold: No data available
pH: 1.5 - 2
Relative evaporation rate (butylacetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Self ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): Non flammable
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Density: ca. 1.01 Specific Gravity
Solubility: Water: completely soluble
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information

No additional information available
SECTION 10: Stability and reactivity

10.1. Reactivity
Thermal decomposition generates: Corrosive vapours

10.2. Chemical stability
Stable under normal conditions of use. Recommended storage temperature

10.3. Possibility of hazardous reactions
Not established

10.4. Conditions to avoid
Store in a cool dry place. Keep storage temperature below 75 °F (24 °C). Take any precaution to avoid mixing with combustibles

10.5. Incompatible materials

10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide. Thermal decomposition generates: Corrosive vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified

<table>
<thead>
<tr>
<th>Spor-Klenz® Ready To Use Sporicide/Disinfectant</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral</td>
</tr>
<tr>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
</tr>
<tr>
<td>&gt; 20000 mg/kg</td>
</tr>
</tbody>
</table>

Hydrogen peroxide (7722-84-1)

| LD50 oral rat                               |
| 801 mg/kg                                    |
| LD50 dermal rat                             |
| 4060 mg/kg                                   |
| LD50 dermal rabbit                          |
| 2000 mg/kg                                   |
| LC50 inhalation rat (mg/l)                  |
| 2 g/m³ (Exposure time: 4 h)                 |
| ATE (oral)                                   |
| 801,000 mg/kg bodyweight                    |
| ATE (dermal)                                |
| 2000,000 mg/kg bodyweight                   |

Acetic acid (64-19-7)

| LD50 oral rat                               |
| 3310 mg/kg                                   |
| LD50 dermal rabbit                          |
| 1060 µl/kg                                   |
| LC50 inhalation rat (mg/l)                  |
| 11,4 mg/l/4h                                 |

Peroxyacetic acid (79-21-0)

| LD50 oral rat                               |
| 263 mg/kg                                    |
| LD50 dermal rabbit                          |
| 1410 µl/kg                                   |
| LC50 inhalation rat (mg/l)                  |
| 0,3 mg/l (Exposure time: 1 h)               |
| ATE (oral)                                   |
| 263,000 mg/kg bodyweight                    |
| ATE (dermal)                                |
| 1100,000 mg/kg bodyweight                   |
| ATE (dust,mist)                             |
| 0,300 mg/l/4h                               |

Skin corrosion/irritation : Causes severe skin burns and eye damage
pH: 1,5 - 2

Serious eye damage/irritation : Eye damage, category 1, implicit
Causes severe skin burns and eye damage
pH: 1,5 - 2

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met
**Spor-Klenz® Ready To Use**
Sporicide/Disinfectant
Safety Data Sheet
according to Regulation (EC) No. 1272/2008

**Aspiration hazard**: Not classified based on available data, the classification criteria are not met

**Potential Adverse human health effects and symptoms**: Not classified based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1. Toxicity

**Ecology - general**: Toxic to aquatic organisms. Bird toxicity (reproduction). Toxic to fish. Toxic to invertebrates (Daphnia)

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fishes 1</th>
<th>EC50 Daphnia 1</th>
<th>EC50 other aquatic organisms 1</th>
<th>LC50 fish 2</th>
<th>EC50 Daphnia 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide (7722-84-1)</td>
<td>16.4 mg/l</td>
<td>7.7 mg/l</td>
<td>2.5 mg/l</td>
<td>18 - 56 mg/l</td>
<td>18 - 32 mg/l</td>
</tr>
<tr>
<td></td>
<td>(Exposure time: 96 h - Species: Pimephales promelas)</td>
<td>(Exposure time: 24 h - Species: Daphnia magna)</td>
<td>(Exposure time: 72 h - Species: Chlorella vulgaris)</td>
<td>(Exposure time: 96 h - Species: Lepomis macrochirus [Static])</td>
<td>(Exposure time: 48 h - Species: Daphnia magna [Static])</td>
</tr>
<tr>
<td>Acetic acid (64-19-7)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>79 mg/l</td>
<td>47 mg/l</td>
<td></td>
<td>75 mg/l</td>
<td>65 mg/l</td>
</tr>
<tr>
<td></td>
<td>(Exposure time: 96 h - Species: Pimephales promelas [Static])</td>
<td>(Exposure time: 24 h - Species: Daphnia magna)</td>
<td></td>
<td>(Exposure time: 96 h - Species: Lepomis macrochirus [Static])</td>
<td>(Exposure time: 48 h - Species: Daphnia magna [Static])</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

**Spor-Klenz® Ready To Use Sporicide/Disinfectant**

**Persistence and degradability**: Not established

#### 12.3. Bioaccumulative potential

**Spor-Klenz® Ready To Use Sporicide/Disinfectant**

**Bioaccumulative potential**: Not established

<table>
<thead>
<tr>
<th>Substance</th>
<th>BCF fish 1</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide (7722-84-1)</td>
<td></td>
<td>-0,31</td>
</tr>
<tr>
<td>Acetic acid (64-19-7)</td>
<td>(no bioaccumulation)</td>
<td></td>
</tr>
<tr>
<td>Peroxyacetic acid (79-21-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(not bioaccumulative, rapid degradation)</td>
<td></td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. Other adverse effects

Avoid release to the environment

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Waste disposal recommendations**: Dispose in a safe manner in accordance with local/national regulations

**Additional information**: Empty containers should be thoroughly rinsed with large quantities of clean water. Dispose of empty containers and wastes safely. Dispose in a safe manner in accordance with local/national regulations

**Ecology - waste materials**: Avoid release to the environment

### SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

Not regulated for transport.

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

#### 14.4. Packing group

Not applicable
Spor-Klenz® Ready To Use
Sporicide/Disinfectant
Safety Data Sheet
according to Regulation (EC) No. 1/26/2017

14.5. Environmental hazards

Other information: No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport
No additional information available

14.6.2. Transport by sea
No additional information available

14.6.3. Air transport
No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. Australia
AICS Listed or Exempt. Hazard Category: Corrosive

15.1.1. EU-Regulations
No REACH Annex XVII restrictions
Contains no REACH candidate substance

15.1.2. National regulations – New Zealand
HSNO Approval Number: HSR002530
HSNO Group Standard Name: Cleaning Products (Subsidiary Hazards) Group Standard 2006

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Revision Date: 09/11/2019

Other information: None

Full text of H-phrases:

Acute Tox. 2 (Inhalation:dust,mist) Acute toxicity (inhalation:dust,mist), Category 2
Acute Tox. 3 (Oral) Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal) Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation) Acute toxicity (inhalation), Category 4
Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4
Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3
Flam. Liq. 3 Flammable liquids, Category 3
Org. Perox. D Organic Peroxides, Type D
Ox. Liq. 1 Oxidising Liquids, Category 1
Skin Corr. 1A Skin corrosion/irritation, Category 1A
STOT SE 3 Specific target organ toxicity (single exposure), Category 3
H226 Flammable liquid and vapour
H242 Heating may cause a fire
H271 May cause fire or explosion; strong oxidizer
H301 Toxic if swallowed
H302 Harmful if swallowed
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
H330 Fatal if inhaled
H332 Harmful if inhaled
H335 May cause respiratory irritation
H400 Very toxic to aquatic life
H412 Harmful to aquatic life with long lasting effects

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.