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

1.1. Product identifier
Product form : Mixture
Trade name : 0.525% Hypochlorite WFI Sterile Solution
Product code : 1S08

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Industrial/Professional use spec : Product for industrial use only
Use of the substance/mixture : Surface cleaner

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

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 Good.

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements
Not applicable

2.3. Other hazards
Other hazards which do not result in classification: Direct contact: Causes eye irritation. Causes mild skin irritation

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
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</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>(CAS No) 7681-52-9</td>
<td>0.1 - 1</td>
<td>Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10)</td>
</tr>
<tr>
<td></td>
<td>(EC no) 231-668-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(EC index no) 017-011-00-1</td>
<td></td>
<td></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 H-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. If necessary seek medical advice

First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation persists, seek medical attention

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. Remove contact lenses, if present and easy to do. Continue rinsing. In all cases of doubt, or when symptoms persist, seek medical advice

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Give water to drink if victim completely conscious/alert. Call a POISON CENTER or doctor/physician

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

Symptoms/injuries after skin contact: Frequent or prolonged contact with skin may cause dermal irritation

Symptoms/injuries after eye contact: In fine dispersion/spraying/misting: May cause eye irritation

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray

5.2. Special hazards arising from the substance or mixture


5.3. Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment

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

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

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

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters

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 in closed containers for disposal. Store away from other materials. Wash contaminated area with large amounts of water. Collect spillage. Use appropriate container to avoid environmental contamination. Dispose of contents/container to comply with applicable local, national and international regulations

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: Product for industrial use only

Hygiene measures: Wash hands thoroughly after handling. Take care for general good hygiene and housekeeping. Wash contaminated clothing prior to re-use

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 out of reach of children. Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Keep cool. Protect from sunlight
Heat and ignition sources: Store away from excessive heat
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
No additional information available

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 eye protection
Hand protection: Wear protective gloves
Eye protection: Wear protective eyewear
Skin and body protection: Wear suitable protective clothing
Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended
Other information: Do not eat, drink or smoke during use

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Liquid
Appearance: Clear
Colour: Colourless to yellow
Odour: No data available
Odour threshold: No data available
pH: 11.1
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): No data available
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Density: 1.004 - 1.014 Specific Gravity
Solubility: Water: completely soluble
Log Pow: 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
0.525% Hypochlorite WFI Sterile Solution
Safety Data Sheet
according to Regulation (EC) No. 453/2010

**SECTION 10: Stability and reactivity**

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable under normal conditions of use

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur

10.4. Conditions to avoid
Do not expose to heat. Light. Incompatible materials

10.5. Incompatible materials

10.6. Hazardous decomposition products
Chlorine. Sodium oxide

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Sodium hypochlorite (7681-52-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
</tr>
<tr>
<td>ATE (oral)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

pH: 11,1

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

**SECTION 12: Ecological information**

12.1. Toxicity

<table>
<thead>
<tr>
<th>Sodium hypochlorite (7681-52-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
</tr>
<tr>
<td>LC50 fish 2</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

**0.525% Hypochlorite WFI Sterile Solution**

 Persistence and degradability : Not established

12.3. Bioaccumulative potential

**0.525% Hypochlorite WFI Sterile Solution**

 Bioaccumulative potential : Not established

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

No additional information available

**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: Dispose of empty containers and wastes safely. Empty container retains product residue. Dilute residue with water. Product may be flushed to a sanitary sewer with copious amounts of water, if in accordance with local, state or national legislation. Dispose in a safe manner in accordance with local/national regulations

Ecology - waste materials: Avoid release to the environment

**SECTION 14: Transport information**

<table>
<thead>
<tr>
<th>14.1. UN number</th>
<th>No dangerous good in sense of transport regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Dangerous for the environment: No, Marine pollutant: No, Other information: No supplementary information available</td>
</tr>
<tr>
<td>14.6. Special precautions for user</td>
<td>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, 14.6.4. Inland waterway transport: No additional information available</td>
</tr>
<tr>
<td>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
<td>Not applicable</td>
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</table>

**SECTION 15: Regulatory information**

<table>
<thead>
<tr>
<th>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</th>
<th>15.1.1. Australia: AICS Listed or Exempt. Hazard Category: NA, 15.1.2. EU-Regulations: No REACH Annex XVII restrictions, Contains no REACH candidate substance, 15.1.3. National regulations: No additional information available</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.2. Chemical safety assessment</td>
<td>No chemical safety assessment has been carried out</td>
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</table>

**SECTION 16: Other information**

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>06/11/2018</th>
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<tbody>
<tr>
<td>Other information</td>
<td>None</td>
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</table>

**Full text of H- phrases:**

- **Aquatic Acute 1**: Hazardous to the aquatic environment — Acute Hazard, Category 1
- **Skin Corr. 1B**: Skin corrosion/irritation, Category 1B
- **H314**: Causes severe skin burns and eye damage
- **H400**: Very toxic to aquatic life

**SDS EU (REACH Annex II)**

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.