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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade name</td>
<td>0.525% Hypochlorite WFI Wipes Sterile Solution</td>
</tr>
<tr>
<td>Product code</td>
<td>1S30</td>
</tr>
<tr>
<td>Product group</td>
<td>Trade product</td>
</tr>
</tbody>
</table>

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:

STERIS Ireland Limited
IDA Business and Technology Park
Tullamore
County Offaly
R35 X865
Ireland
Product/Technical Information Phone No: +44 (0) 116 276 8636
Email: asksteris_msd@steris.com

1.4. Emergency telephone number

Emergency number: +44 (0) 1895 622 639

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>(CAS No) 7681-52-9 (EC no) 231-668-3 (EC index no) 017-011-00-1</td>
<td>0.1 - 1</td>
<td>Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10)</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16
0.525% Hypochlorite WFI Wipes
Sterile Solution
Safety Data Sheet
according to Regulation (EC) No. 453/2010

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 advice

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

Hazardous decomposition products in case of fire:
Thermal decomposition generates: Fume. Sodium oxide. Chlorine

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
0.525% Hypochlorite WFI Wipes
Sterile Solution
Safety Data Sheet
according to Regulation (EC) No. 453/2010

7.2. Conditions for safe storage, including any incompatibilities

<table>
<thead>
<tr>
<th>Technical measures</th>
<th>Comply with applicable regulations. A washing facility/water for eye and skin cleaning purposes should be present. Provide adequate ventilation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage conditions</td>
<td>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</td>
</tr>
<tr>
<td>Heat and ignition sources</td>
<td>Store away from excessive heat</td>
</tr>
<tr>
<td>Storage area</td>
<td>Store in dry, cool, well-ventilated area</td>
</tr>
<tr>
<td>Special rules on packaging</td>
<td>Correctly labelled</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid, White cloth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless to yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>11.1</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>1,004 - 1,014 Specific Gravity</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: completely soluble</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
</tbody>
</table>

09/18/2018 EN (English) SDS Ref: 1S30UK 3/6
0.525% Hypochlorite WFI Wipes
Sterile Solution
Safety Data Sheet
according to Regulation (EC) No. 453/2010

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
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
Acute toxicity : Not classified

Sodium hypochlorite (7681-52-9)

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>8200 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 10000 mg/kg</td>
</tr>
<tr>
<td>ATE (oral)</td>
<td>820000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified
pH: 11.1

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

Sodium hypochlorite (7681-52-9)

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fishes 1</td>
<td>0.06 - 0.11 mg/l (Exposure time: 96 h - Species: Pimephales promelas [Flow-through])</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>0.033 - 0.044 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>4.5 - 7.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [Static])</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

0.525% Hypochlorite WFI Wipes Sterile Solution
Persistence and degradability : Not established

12.3. Bioaccumulative potential

0.525% Hypochlorite WFI Wipes 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**  

In accordance with ADR / RID / IMDG / IATA / ADN  
14.1. UN number  
No dangerous good in sense of transport regulations  
14.2. UN proper shipping name  
Not applicable  
14.3. Transport hazard class(es)  
Not applicable  
14.4. Packing group  
Not applicable  
14.5. Environmental hazards  
Dangerous for the environment : No  
Marine pollutant : No  
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  
14.6.4. Inland waterway 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. EU-Regulations  
No REACH Annex XVII restrictions  
Contains no REACH candidate substance  
15.1.2. National regulations  
No additional information available  
15.2. Chemical safety assessment  
No chemical safety assessment has been carried out  

**SECTION 16: Other information**  

Revision date : 09/18/2018  
Other information : 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 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.  

Full text of H- and EUH-phrases:  
Aquatic Acute 1 : Hazardous to the aquatic environment — AcuteHazard, Category 1  
Skin Corr. 1B : Skin corrosion/irritation, Category 1B
0.525% Hypochlorite WFI Wipes
Sterile Solution
Safety Data Sheet
according to Regulation (EC) No. 453/2010

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
</tbody>
</table>

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.