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

1.1. Product identifier
Product form: Mixture
Trade name: ProKlenz NpH® High Performance Neutral Detergent
Product code: 1430

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: High Performance Neutral Detergent

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 244 724

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]
Acute Tox. 5 (oral) H303
Acute Tox. 5 (dermal) H313
Skin Corr. 2 H315
Eye Dam. 2A H319

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):

Signal word (CLP): Warning

Hazard statements (CLP):

- H303 - May be harmful if swallowed
- H313 - May be harmful in contact with skin
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation

Precautionary statements (CLP):

- P264 - Wash hands thoroughly after handling
- P280 - Wear protective gloves/protective clothing and eye/face protection
- P302+P352 - IF ON SKIN: Wash with plenty of water
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a POISON CENTER or doctor
- P312 - Call a POISON CENTER or doctor if you feel unwell
- P332+P313 - If skin irritation occurs: Get medical advice/attention
- P337+P313 - If eye irritation persists: Get medical advice/attention
- P362+P364 - Take off contaminated clothing and wash it before reuse

2.3. Other hazards

No additional information available

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>Dipropylene glycol monomethyl ether</td>
<td>(CAS No) 34590-94-8&lt;br&gt;(EC no) 252-104-2</td>
<td>7 - 13</td>
<td>Not classified</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>(CAS No) 102-71-6&lt;br&gt;(EC no) 203-049-8&lt;br&gt;(REACH No) 01-2119486482-31-0035</td>
<td>5 - 10</td>
<td>Not classified</td>
</tr>
<tr>
<td>Citric acid</td>
<td>(CAS No) 77-92-9&lt;br&gt;(EC no) 201-069-1&lt;br&gt;(REACH No) 01-2119457026-42-0067</td>
<td>1 - 5</td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Octyldimethylamine Oxide</td>
<td>(CAS No) 2605-78-9&lt;br&gt;(EC no) 607-854-9&lt;br&gt;(REACH No) 01-2119409076-45-002</td>
<td>1 - 5</td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Other Non-Hazardous Ingredients</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 not breathing, give artificial respiration. Get medical attention

First-aid measures after skin contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/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. Immediately get medical attention

First-aid measures after ingestion: If victim completely conscious/alert. Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Give water or milk if the person is fully conscious

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: Causes serious eye irritation
ProKlenz® NpH High Performance Neutral Detergent
Safety Data Sheet
according to Regulation (EC) No. 453/2010

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. Sand

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

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 protective gloves and eye/face protection. For further information refer to section 8: “Exposure controls/personal 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: Comply with applicable local, national and international regulation. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect all waste in suitable and labelled containers and dispose according to local legislation. Store away from other materials. Small spills: wipe away or flush away with water. Small spills may be flushed to a sanitary sewer with copious amounts of water

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: Read label before use. Provide good ventilation in process area to prevent formation of vapour. Avoid all eye and skin contact and do not breathe vapour and mist. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work
Hygiene measures: Take care for general good hygiene and housekeeping. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Provide adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present
Storage conditions: Keep locked up and out of reach of children. Keep only in the original container in a cool, well-ventilated place. Keep container closed when not in use
Storage temperature: < 32 °C (< 90 °F)
Storage area: Store in dry, cool, well-ventilated area
Special rules on packaging: Keep only in original container. 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>Dipropylene glycol monomethyl ether (34590-94-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
</tr>
</tbody>
</table>

08/06/2019 EN (English) SDS Ref: 1430AU 3/8
Dipropylene glycol monomethyl ether (34590-94-8)

<table>
<thead>
<tr>
<th>Country</th>
<th>Exposure Control</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (ppm)</td>
<td>50 ppm</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL STEL (mg/m³)</td>
<td>924 mg/m³ (calculated)</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL STEL (ppm)</td>
<td>150 ppm (calculated)</td>
</tr>
<tr>
<td>USA - ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>100 ppm</td>
</tr>
<tr>
<td>USA - ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>150 ppm</td>
</tr>
<tr>
<td>USA - IDLH</td>
<td>US IDLH (ppm)</td>
<td>600 ppm</td>
</tr>
<tr>
<td>USA - NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>600 mg/m³</td>
</tr>
<tr>
<td>USA - NIOSH</td>
<td>NIOSH REL (TWA) (ppm)</td>
<td>100 ppm</td>
</tr>
<tr>
<td>USA - NIOSH</td>
<td>NIOSH REL (STEL) (mg/m³)</td>
<td>900 mg/m³</td>
</tr>
<tr>
<td>USA - NIOSH</td>
<td>NIOSH REL (STEL) (ppm)</td>
<td>150 ppm</td>
</tr>
<tr>
<td>USA - OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>600 mg/m³</td>
</tr>
<tr>
<td>USA - OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

Triethanolamine (102-71-6)

| USA - ACGIH | ACGIH TWA (mg/m³) | 5 mg/m³ |

8.2. Exposure controls

- **Appropriate engineering controls**: Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- **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.
  - Hand protection: Wear rubber gloves
  - Eye protection: Wear chemical splash goggles
  - Skin and body protection: Wear suitable protective clothing
  - Respiratory protection: Work in well-ventilated zones or use proper respiratory protection. Wear appropriate mask
  - 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
- **Odour**: Mild chemical odor
- **Odour threshold**: No data available
- **pH**: Approximately 6,9
- **Relative evaporation rate (butylacetate=1)**: No data available
- **Melting point**: No data available
- **Boiling point**: No data available
- **Freezing 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**: ca. 1,035 g/ml
- **Specific Gravity**: Water: Completely soluble

08/06/2019 EN (English) SDS Ref: 1430AU 4/8
ProKlenz® NpH High Performance Neutral Detergent

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according to Regulation (EC) No. 453/2010

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

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
Extremely high or low temperatures

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

ProKlenz® NpH High Performance Neutral Detergent
LD50 oral rat : > 2000 mg/kg

Dipropylene glycol monomethyl ether (34590-94-8)
LD50 oral rat : 5230 mg/kg
LD50 dermal rabbit : 9500 mg/kg
ATE (oral) : 5230,000 mg/kg bodyweight
ATE (dermal) : 9500,000 mg/kg bodyweight

Triethanolamine (102-71-6)
LD50 oral rat : 4190 mg/kg
LD50 dermal rabbit : > 20 ml/kg
ATE (oral) : 4190,000 mg/kg bodyweight

Octyldimethylamine Oxide (2605-78-9)
LD50 oral rat : > 5000 mg/kg

Skin corrosion/irritation : Not classified
pH: 6,9 Approximately

Serious eye damage/irritation : Causes serious eye irritation
pH: 6,9 Approximately

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
**ProKlenz® NpH High Performance Neutral Detergent**

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according to Regulation (EC) No. 453/2010

<table>
<thead>
<tr>
<th>Specific target organ toxicity (repeated exposure)</th>
<th>Not classified</th>
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</thead>
<tbody>
<tr>
<td>Based on available data, the classification criteria are not met</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Aspiration hazard</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Based on available data, the classification criteria are not met</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Potential Adverse human health effects and symptoms</th>
<th>Harmful if swallowed</th>
</tr>
</thead>
</table>

### SECTION 12: Ecological information

#### 12.1. Toxicity

<table>
<thead>
<tr>
<th>ProKlenz® NpH High Performance Neutral Detergent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LC50 fishes 1</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Citric acid (77-92-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LC50 fishes 1</strong></td>
</tr>
<tr>
<td><strong>EC50 Daphnia 1</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dipropylene glycol monomethyl ether (34590-94-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LC50 fishes 1</strong></td>
</tr>
<tr>
<td><strong>EC50 Daphnia 1</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Triethanolamine (102-71-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LC50 fishes 1</strong></td>
</tr>
<tr>
<td><strong>EC50 other aquatic organisms 1</strong></td>
</tr>
<tr>
<td><strong>LC50 fish 2</strong></td>
</tr>
<tr>
<td><strong>EC50 other aquatic organisms 2</strong></td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>ProKlenz® NpH High Performance Neutral Detergent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>ProKlenz® NpH High Performance Neutral Detergent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Citric acid (77-92-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Log Pow</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Dipropylene glycol monomethyl ether (34590-94-8)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Log Pow</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Triethanolamine (102-71-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BCF fish 1</strong></td>
</tr>
<tr>
<td><strong>Log Pow</strong></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

<table>
<thead>
<tr>
<th>Waste disposal recommendations</th>
<th>Dispose in a safe manner in accordance with local/national regulations. Product may be flushed to a sanitary sewer with copious amounts of water, if in accordance with local, state or national legislation. Dispose of in accordance with relevant local regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional information</td>
<td>Do not re-use empty containers. Rinse with water. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation</td>
</tr>
<tr>
<td>Ecology – waste materials</td>
<td>Avoid release to the environment</td>
</tr>
</tbody>
</table>
**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

14.6.5. **Australia**
ADG/HazChem Code: Non-Hazardous

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: Irritant

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

15.1.3. **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: 08/06/2019

Other information: None

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H-phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 5 (oral)</td>
<td>Acute toxicity (oral), Category 5</td>
</tr>
<tr>
<td>Acute Tox. 5 (dermal)</td>
<td>Acute toxicity (dermal), Category 5</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation, Category 1</td>
</tr>
<tr>
<td>Eye Dam. 2A</td>
<td>Causes serious eye irritation, Category 2A</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>H303</td>
<td>May be harmful if swallowed</td>
</tr>
<tr>
<td>H313</td>
<td>May be harmful in contact with skin</td>
</tr>
</tbody>
</table>
ProKlenz® NpH High Performance Neutral Detergent
Safety Data Sheet
according to Regulation (EC) No. 453/2010

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</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.