SAFETY DATA SHEET

Klercide Neutral detergent Unit Dose concentrate

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Klercide Neutral detergent Unit Dose concentrate
Other means of identification : Not applicable.
Recommended use : Surface cleaner
Product dilution information : 0.0 % - 0.02 %

Company : ECOLAB PTY LTD
2 Drake Avenue
Macquarie Park, NSW Australia 2113
1 800 022 002

Emergency telephone number : 1800 205 506, +64 7 958 2372
Issuing date : 17.03.2017

Section: 2. HAZARDS IDENTIFICATION

GHS Classification
Product AS SOLD
Not a hazardous substance or mixture.

Product AT USE DILUTION
Not a hazardous substance or mixture.

GHS Label element

Product AS SOLD
Precautionary Statements : Prevention:
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AT USE DILUTION
Precautionary Statements : Prevention:
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AS SOLD
Other hazards : None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD
Pure substance/mixture : Mixture

No hazardous ingredients

908382-03 1 / 9
SAFETY DATA SHEET

Klercide Neutral detergent Unit Dose concentrate

Product AT USE DILUTION
No hazardous ingredients

Section: 4. FIRST AID MEASURES

Product AS SOLD
In case of eye contact : Rinse with plenty of water.
In case of skin contact : Rinse with plenty of water.
If swallowed : Rinse mouth. Get medical attention if symptoms occur.
   Contact the Poison's Information Centre (eg Australia 13 1126; New Zealand 0800 764 766).
If inhaled : Get medical attention if symptoms occur.
Protection of first-aiders : No special precautions are necessary for first aid responders.
Notes to physician : No specific measures identified.
Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION
In case of eye contact : Rinse with plenty of water.
In case of skin contact : Rinse with plenty of water.
If swallowed : Rinse mouth. Get medical attention if symptoms occur.
   Contact the Poison's Information Centre (eg Australia 13 1126; New Zealand 0800 764 766).
If inhaled : Get medical attention if symptoms occur.

Section: 5. FIREFIGHTING MEASURES

Product AS SOLD
Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media : None known.
Specific hazards during firefighting : Not flammable or combustible.
Hazardous combustion products : Decomposition products may include the following materials: Carbon oxides
Special protective equipment for firefighters : Use personal protective equipment.
Specific extinguishing : Collect contaminated fire extinguishing water separately. This must
Section: 6. ACCIDENTAL RELEASE MEASURES

**Product AS SOLD**
- **Personal precautions, protective equipment and emergency procedures**: Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- **Environmental precautions**: Do not allow contact with soil, surface or ground water.
- **Methods and materials for containment and cleaning up**: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

**Product AT USE DILUTION**
- **Personal precautions, protective equipment and emergency procedures**: Refer to protective measures listed in sections 7 and 8.
- **Environmental precautions**: No special environmental precautions required.
- **Methods and materials for containment and cleaning up**: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section: 7. HANDLING AND STORAGE

**Product AS SOLD**
- **Advice on safe handling**: Wash hands thoroughly after handling.
- **Conditions for safe storage**: Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
- **Storage temperature**: 0 °C to 25 °C

**Product AT USE DILUTION**
- **Advice on safe handling**: Wash hands after handling. For personal protection see section 8.
- **Conditions for safe storage**: Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Product AS SOLD**
- **Components with workplace control parameters**: Contains no substances with occupational exposure limit values.
- **Engineering measures**: Good general ventilation should be sufficient to control worker
SAFETY DATA SHEET
Klercide Neutral detergent Unit Dose concentrate

exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.
Hand protection : No special protective equipment required.
Skin protection : No special protective equipment required.
Respiratory protection : No personal respiratory protective equipment normally required.

Refer to AS/NZS 1715 and AS/NZS 1716 for selection, use and maintenance of respiratory protective equipment as applicable.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.
Hand protection : No special protective equipment required.
Skin protection : No special protective equipment required.
Respiratory protection : No personal respiratory protective equipment normally required.

Refer to AS/NZS 1715 and AS/NZS 1716 for selection, use and maintenance of respiratory protective equipment as applicable.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>colourless</td>
<td>colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>slight</td>
<td>slight</td>
</tr>
<tr>
<td>pH</td>
<td>5.0 - 7.0, 100 %</td>
<td>6.5 - 7.5</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable.</td>
<td></td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
<td></td>
</tr>
</tbody>
</table>
# SAFETY DATA SHEET

**Klercide Neutral detergent Unit Dose concentrate**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative vapour density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.99 - 1.02</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>no data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>no data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>The substance or mixture is not classified as oxidizing.</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>no data available</td>
</tr>
<tr>
<td>VOC</td>
<td>no data available</td>
</tr>
</tbody>
</table>

**Section: 10. STABILITY AND REACTIVITY**

**Product AS SOLD**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>No dangerous reaction known under conditions of normal use.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>None known.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>None known.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Decomposition products may include the following materials: Carbon oxides</td>
</tr>
</tbody>
</table>

**Section: 11. TOXICOLOGICAL INFORMATION**

**Product AS SOLD**

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Potential Health Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes, Skin, Inhalation</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
</tbody>
</table>

**Product AT USE DILUTION**

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Potential Health Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes, Skin, Inhalation</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

Klercide Neutral detergent Unit Dose concentrate

Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD
Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Product AT USE DILUTION
Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Product AS SOLD
Product
Acute oral toxicity : no data available
Acute inhalation toxicity : no data available
Acute dermal toxicity : no data available
Skin corrosion/irritation : no data available
Serious eye damage/eye irritation : no data available
Respiratory or skin sensitization : no data available
Carcinogenicity : no data available
Reproductive effects : no data available
Germ cell mutagenicity : no data available
Teratogenicity : no data available
STOT - single exposure : no data available
STOT - repeated exposure : no data available
Aspiration toxicity : no data available

Section: 12. ECOLOGICAL INFORMATION

Product AS SOLD
Ecotoxicity
Environmental Effects : Toxic to aquatic life.
SAFETY DATA SHEET

Klercide Neutral detergent Unit Dose concentrate

Toxicity to fish: no data available
Toxicity to daphnia and other aquatic invertebrates: no data available
Toxicity to algae: no data available

Persistence and degradability

Product AS SOLD
Readily biodegradable.

Bioaccumulative potential
no data available

Mobility in soil
no data available

Other adverse effects
no data available

Section: 13. DISPOSAL CONSIDERATIONS

Product AS SOLD
Disposal methods: Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

The product should not be allowed to enter drains, water courses or the soil.

Disposal considerations: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION
Disposal methods: Diluted product can be flushed to sanitary sewer.

Disposal considerations: Dispose of in accordance with local, state, and federal regulations.

Section: 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (ADG)
Not dangerous goods

Air transport (IATA)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

Section: 15. REGULATORY INFORMATION
National regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons: No poison schedule number allocated

The components of this product are reported in the following inventories:

United States TSCA Inventory: On TSCA Inventory

Canadian Domestic Substances List (DSL): All components of this product are on the Canadian DSL.

Australia. Industrial Chemical (Notification and Assessment) Act: On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand: On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory: Not determined

Korea. Korean Existing Chemicals Inventory (KECI): On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS): On the inventory, or in compliance with the inventory

China Inventory of Existing Chemical Substances: On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory: On the inventory, or in compliance with the inventory

Section: 16. OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
IARC: (International Agency for Research on Cancer)
US. National Toxicology Program (NTP) Report on Carcinogens
ECHA List of Publishable Substances Registered
EU HPVCs (High Production Volume Chemicals)

Issuing date: 17.03.2017
Version: 1.0
Prepared by: Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and
may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.