## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>PEROXIDE MULTI-SURFACE CLEANER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td>not applicable</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Surface cleaner</td>
</tr>
<tr>
<td>Restrictions on use</td>
<td>Reserved for industrial and professional use.</td>
</tr>
<tr>
<td>Product dilution information</td>
<td>0.78 % - 3.03 %</td>
</tr>
<tr>
<td>Company</td>
<td>Ecolab Inc.</td>
</tr>
<tr>
<td></td>
<td>370 N. Wabasha Street</td>
</tr>
<tr>
<td></td>
<td>St. Paul, Minnesota USA 55102</td>
</tr>
<tr>
<td></td>
<td>1-800-352-5326</td>
</tr>
<tr>
<td>Emergency telephone</td>
<td>1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)</td>
</tr>
<tr>
<td>Issuing date</td>
<td>06/19/2014</td>
</tr>
</tbody>
</table>

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

**Product AS SOLD**
- Skin irritation: Category 2
- Serious eye damage: Category 1

**Product AT USE DILUTION**
- Not a hazardous substance or mixture.

### GHS Label element

**Product AS SOLD**
- Hazard pictograms: ![Pictogram]

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Statements</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td></td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>Response:</td>
<td>IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.</td>
</tr>
</tbody>
</table>

**Product AT USE DILUTION**
- Precautionary Statements: Prevention:
SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

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

Other hazards: None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD
Pure substance/mixture: Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>d-glucopyranose, oligomeric, decyl octyl glycosides</td>
<td>68515-73-1</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Alkylpolyglycosides</td>
<td>110615-47-9</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Fragrance</td>
<td>Proprietary Ingredient</td>
<td>0 - 1</td>
</tr>
</tbody>
</table>

Product AT USE DILUTION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fragrance</td>
<td>Proprietary Ingredient</td>
<td>0 - 1</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

Product AS SOLD

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Get medical attention if irritation develops and persists.

If swallowed: Rinse mouth. Get medical attention if symptoms occur.

If inhaled: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders: If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician: Treat symptomatically.

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.

If inhaled: Get medical attention if symptoms occur.

See toxicological information (Section 11)

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD
**SAFETY DATA SHEET**

**PEROXIDE MULTI-SURFACE CLEANER**

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuitable extinguishing media</td>
<td>None known.</td>
</tr>
<tr>
<td>Specific hazards during fire fighting</td>
<td>Not flammable or combustible.</td>
</tr>
<tr>
<td>Hazardous combustion products</td>
<td>Decomposition products may include the following materials: Carbon oxides, nitrogen oxides (NOx), sulfur oxides, oxides of phosphorus</td>
</tr>
<tr>
<td>Special protective equipment for fire-fighters</td>
<td>Use personal protective equipment.</td>
</tr>
<tr>
<td>Specific extinguishing methods</td>
<td>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.</td>
</tr>
</tbody>
</table>

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Product AS SOLD**

**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. 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**

Do not get in eyes, on skin, or on clothing. Wash hands thoroughly.
Conditions for safe storage: Keep out of reach of children. Store in suitable labeled containers.

Storage temperature: 15 °C to 40 °C

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Product AS SOLD

**Ingredients with workplace control parameters**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>TWA</td>
<td>1 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1 ppm 1.4 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1 ppm 1.4 mg/m³</td>
<td>OSHA Z1</td>
</tr>
</tbody>
</table>

Engineering measures: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

**Personal protective equipment**

Eye protection: Safety goggles, Face-shield

Hand protection: Wear the following personal protective equipment:
- Standard glove type.
- Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection: No special protective equipment required.

Respiratory protection: No personal respiratory protective equipment normally required.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

### 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.
SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

Respiratory protection : No personal respiratory protective equipment normally required.

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><strong>Appearance</strong></td>
<td>liquid</td>
<td>liquid</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>clear, yellow</td>
<td>light yellow</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>sweet</td>
<td>Floral</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>4.3 - 5.0, 100 %</td>
<td>6.3 - 7.0</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>not applicable,</td>
<td>Does not sustain</td>
</tr>
<tr>
<td></td>
<td></td>
<td>combustion</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>&gt; 100 °C</td>
<td></td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Upper explosion limit</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Lower explosion limit</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Relative vapor density</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>1.027 - 1.042</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Water solubility</strong></td>
<td>soluble</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Solubility in other solvents</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Autoignition temperature</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Thermal decomposition</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Viscosity, kinematic</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>yes</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>yes</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Molecular weight</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td><strong>VOC</strong></td>
<td>no data available</td>
<td>no data available</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

**Product AS SOLD**

**Chemical stability** : Stable under normal conditions.

**Possibility of hazardous reactions** : No dangerous reaction known under conditions of normal use.

**Conditions to avoid** : None known.

**Incompatible materials** : Bases
SAFETY DATA SHEET
PEROXIDE MULTI-SURFACE CLEANER

Hazardous decomposition products: Decomposition products may include the following materials:
- Carbon oxides
- Nitrogen oxides (NOx)
- Sulfur oxides
- Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
- Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes: Causes serious eye damage.
Skin: Causes skin irritation.
Ingestion: Health injuries are not known or expected under normal use.
Inhalation: Health injuries are not known or expected under normal use.
Chronic Exposure: Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes: Health injuries are not known or expected under normal use.
Skin: Health injuries are not known or expected under normal use.
Ingestion: Health injuries are not known or expected under normal use.
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: Redness, Pain, Corrosion
Skin contact: Redness, Irritation
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

Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg
SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

Acute inhalation toxicity : 4 h Acute toxicity estimate : > 10 mg/l
Acute dermal toxicity : no data available
Skin corrosion/irritation : Skin irritation
Serious eye damage/eye irritation : Irreversible effects on the eye
Respiratory or skin sensitization : no data available

Carcinogenicity
IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA
No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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

Ingredients

Acute dermal toxicity : d-glucopyranose, oligomeric, decyl octyl glycosides
LD50 rabbit: > 2,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD
Ecotoxicity
Environmental Effects : Harmful to aquatic life.

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

Ingredients

Toxicity to fish : Alkylpolyglycosides
96 h LC50 Fish: 5 mg/l

Ingredients

Toxicity to algae : d-glucopyranose, oligomeric, decyl octyl glycosides
72 h EC50: 18 mg/l
Hydrogen peroxide
SAFETY DATA SHEET

PEROXIDE MULTI-SURFACE CLEANER

72 h EC50: 1.38 mg/l

Persistence and degradability
no data available

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

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.

Product AT USE DILUTION

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.

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.

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 (DOT)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

Product AT USE DILUTION
Not intended for transport.

SECTION 15. REGULATORY INFORMATION

Product AS SOLD
EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>1000</td>
<td>33223</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:

- Hydrogen peroxide 7722-84-1 3.01%

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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

1907/2006 (EU) : not determined

Switzerland. New notified substances and declared preparations : not determined

United States TSCA Inventory : On TSCA Inventory

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

Australia Inventory of Chemical Substances (AICS) : not determined

New Zealand. Inventory of Chemical Substances : not determined

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

Japan. ISHL - Inventory of Chemical Substances (METI) : not determined

Korea. Korean Existing Chemicals Inventory (KECI) : not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) : not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :
SAFETY DATA SHEET
PEROXIDE MULTI-SURFACE CLEANER

not determined

SECTION 16. OTHER INFORMATION

Product AS SOLD
NFPA:

Hamis III:

Special hazard.

Product AT USE DILUTION
NFPA:

Hamis III:

Special hazard.

Issuing date : 06/19/2014
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 Material 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.