Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ASEPTI-WIPE II

Other means of identification: Not applicable.

Recommended use: Cleaning product

Restrictions on use: Reserved for industrial and professional use.

Product dilution information: Product is sold ready to use.

Company: Ecolab Co.
5105 Tomken Road
Mississauga, Ontario Canada L4W 2X5
1-800-352-5326

Emergency telephone number: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date: 06/26/2015

Section: 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids: Category 3
Eye irritation: Category 2B

GHS Label element

Hazard pictograms:

Signal Word: Caution
Hazard Statements: Flammable liquid and vapour. Causes eye irritation.
Precautionary Statements: Prevention: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Wash skin thoroughly after handling. Response: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage: Store in a well-ventilated place. Keep cool.
Disposal: Dispose of contents/ container to an approved waste disposal plant.

Other hazards: None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS
SAFETY DATA SHEET

ASEPTI-WIPE II

Pure substance/mixture : Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration: (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>10 - 30</td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>1 - 5</td>
</tr>
<tr>
<td>n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides</td>
<td>68391-01-5</td>
<td>0.125</td>
</tr>
<tr>
<td>n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chlorides</td>
<td>68956-79-6</td>
<td>0.125</td>
</tr>
</tbody>
</table>

Section: 4. FIRST AID MEASURES

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.
Protection of first-aiders : No special precautions are necessary for first aid responders.
Notes to physician : Treat symptomatically.
Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Section: 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 Unsuitable extinguishing media : High volume water jet
Specific hazards during firefighting : Fire Hazard
 keep away from heat and sources of ignition. Flash back possible over considerable distance.
Hazardous combustion products : Decomposition products may include the following materials:
 Carbon oxides
 Nitrogen oxides (NOx)
 Sulphur oxides
 Oxides of phosphorus
Special protective equipment for firefighters : Use personal protective equipment.
Specific extinguishing methods : Use water spray to cool unopened containers. 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.
Risk of explosion : Not available.

Section: 6. ACCIDENTAL RELEASE MEASURES
SAFETY DATA SHEET
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Personal precautions, protective equipment and emergency procedures:
Remove all sources of ignition. 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:
Sweep up and shovel into suitable containers for disposal.

Section: 7. HANDLING AND STORAGE

Advice on safe handling:
Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Wash hands thoroughly after handling.

Conditions for safe storage:

Storage temperature:
0 °C to 35 °C

Section: 8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>TWA</td>
<td>200 ppm 492 mg/m³</td>
<td>CAD AB OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>400 ppm 984 mg/m³</td>
<td>CAD AB OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>200 ppm</td>
<td>CAD BC OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>400 ppm 983 mg/m³</td>
<td>CAD BC OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VME</td>
<td>400 ppm 983 mg/m³</td>
<td>OEL (QUE)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEV</td>
<td>500 ppm 1,230 mg/m³</td>
<td>OEL (QUE)</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>TWA</td>
<td>200 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>400 ppm 980 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>400 ppm 980 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>500 ppm 1,225 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>400 ppm 980 mg/m³</td>
<td>OSHA Z1</td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>TWA</td>
<td>20 ppm 97 mg/m³</td>
<td>CAD AB OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>20 ppm 97 mg/m³</td>
<td>CAD BC OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VME</td>
<td>20 ppm 97 mg/m³</td>
<td>OEL (QUE)</td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>TWA</td>
<td>20 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>5 ppm 24 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>50 ppm</td>
<td>OSHA Z1</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

ASEPTI-WIPE II

<table>
<thead>
<tr>
<th>240 mg/m³</th>
</tr>
</thead>
</table>

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

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.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: solid

Colour: opaque, white

Odour: alcohol-like

pH: 11.0 - 12.0, 100 %

Flash point: 35 °C closed cup

Odour Threshold: no data available

Melting point/freezing point: no data available

Initial boiling point and boiling range: no data available

Evaporation rate: no data available

Flammability (solid, gas): no data available

Upper explosion limit: no data available

Lower explosion limit: no data available

Vapour pressure: no data available

Relative vapour density: no data available

Relative density: 0.88 - 1.07

Water solubility: no data available

Solubility in other solvents: no data available

Partition coefficient: n-octanol/water: no data available

Auto-ignition temperature: no data available

Thermal decomposition: no data available

Viscosity, kinematic: no data available

Explosive properties: no data available

Oxidizing properties: no data available

Molecular weight: no data available

VOC: no data available
### Section: 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</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>Heat, flames and sparks.</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:</td>
</tr>
<tr>
<td></td>
<td>Carbon oxides</td>
</tr>
<tr>
<td></td>
<td>Nitrogen oxides (NOx)</td>
</tr>
<tr>
<td></td>
<td>Sulphur oxides</td>
</tr>
<tr>
<td></td>
<td>Oxides of phosphorus</td>
</tr>
</tbody>
</table>

### Section: 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

- **Eye contact**
  - Causes eye irritation.
- **Skin contact**
  - 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.

#### Potential Health Effects

- **Eyes**: Causes eye irritation.
- **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

- **Eye contact**: Redness, Irritation
- **Skin contact**: No symptoms known or expected.
- **Ingestion**: No symptoms known or expected.
- **Inhalation**: No symptoms known or expected.

#### Toxicity

- **Acute oral toxicity**: Acute toxicity estimate: > 5,000 mg/kg
- **Acute inhalation toxicity**: 4 h Acute toxicity estimate: > 40 mg/l
- **Acute dermal toxicity**: Acute toxicity estimate: > 5,000 mg/kg
- **Skin corrosion/irritation**: No data available
- **Serious eye damage/eye irritation**: Mild eye irritation
- **Respiratory or skin sensitization**: No data available
- **Carcinogenicity**: No data available
SAFETY DATA SHEET

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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

Ecotoxicity
Environmental Effects: This product has no known ecotoxicological effects.

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

Components
Toxicity to fish: Isopropanol
96 h LC50 Pimephales promelas (fathead minnow): 9,640 mg/l
2-butoxyethanol
96 h LC50: 1,474 mg/l

Components
Toxicity to daphnia and other aquatic invertebrates: Isopropanol
LC50 Daphnia magna (Water flea): > 10,000 mg/l
2-butoxyethanol
48 h EC50: 690 mg/l
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chlorides
48 h EC50 Daphnia: 0.47 mg/l

Components
Toxicity to algae: 2-butoxyethanol
72 h EC50: 911 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
SAFETY DATA SHEET

ASEPTI-WIPE II

Section: 13. DISPOSAL CONSIDERATIONS

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

Section: 14. TRANSPORT INFORMATION

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 (TDG)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

Section: 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

Drug Identification Number (DIN): 02243478

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:
not determined

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand:
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):
SAFETY DATA SHEET

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not determined

China Inventory of Existing Chemical Substances:
not determined

Section: 16. OTHER INFORMATION

NFPA:

Flammability

3

0

Health

1

Special hazard.

Instability

HMIS III:

HEALTH

1

FLAMMABILITY

3

PHYSICAL HAZARD

0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Issuing date: 06/26/2015
Version: 1.0
Prepared by: Regulatory Affairs 1-800-352-5326

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.