### SAFETY DATA SHEET
#### ECOLAB LAUNDRY POWDER

### Section: 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>ECOLAB LAUNDRY POWDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Laundry detergent</td>
</tr>
<tr>
<td>Product dilution information</td>
<td>0.07 % - 0.16 %</td>
</tr>
<tr>
<td>Company</td>
<td>ECOLAB PTY LTD</td>
</tr>
<tr>
<td></td>
<td>2 Drake Avenue</td>
</tr>
<tr>
<td></td>
<td>Macquarie Park, NSW Australia 2113</td>
</tr>
<tr>
<td></td>
<td>1 800 022 002</td>
</tr>
<tr>
<td>Emergency telephone number</td>
<td>1800 205 506, +64 7 958 2372</td>
</tr>
<tr>
<td>Issuing date</td>
<td>04.11.2015</td>
</tr>
</tbody>
</table>

### Section: 2. HAZARDS IDENTIFICATION

**GHS Classification**

**Product AS SOLD**
- Skin corrosion/irritation: Category 2
- Serious eye damage/eye irritation: Category 2A

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

**GHS Label element**

**Product AS SOLD**
- Hazard pictograms: ![Exclamation Mark]
- Signal Word: Warning
- Hazard Statements: Causes skin irritation. Causes serious eye irritation.
- Precautionary Statements: **Prevention:** Wash skin thoroughly after handling. Wear eye protection/face protection. Wear protective gloves.
  **Response:** 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.

**Product AT USE DILUTION**
- Precautionary Statements: **Prevention:**
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ECOLAB LAUNDRY POWDER

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration: (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate(soda)</td>
<td>497-19-8</td>
<td>10 - 30</td>
</tr>
<tr>
<td>sodium metasilicate</td>
<td>6834-92-0</td>
<td>1 - 5</td>
</tr>
<tr>
<td>sodium dodecylbenzene sulfonate</td>
<td>25155-30-0</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

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. Get medical attention if symptoms occur.
In case of skin contact : Rinse with plenty of water. Get medical attention if symptoms occur.
If swallowed : Rinse mouth with water. 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 : Treat symptomatically.
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 with water.
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
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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: Carbon oxides

Special protective equipment for firefighters: Use personal protective equipment.

Specific extinguishing methods: 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.

Section: 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD
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.

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. Use only with adequate ventilation.

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. 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: 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. Remove and wash contaminated clothing before re-use. 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.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>powder</td>
</tr>
<tr>
<td>Colour</td>
<td>white</td>
</tr>
<tr>
<td>Odour</td>
<td>Perfumes, fragrances</td>
</tr>
<tr>
<td>pH</td>
<td>11.0 - 11.6, 1 %</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point/freezing</td>
<td>no data available</td>
</tr>
<tr>
<td></td>
<td>liquid</td>
</tr>
<tr>
<td></td>
<td>colourless</td>
</tr>
<tr>
<td></td>
<td>slight</td>
</tr>
<tr>
<td></td>
<td>9.8 - 10.8</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 : None.
Hazardous decomposition products : Carbon oxides

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 irritation.
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, Irritation

Skin contact: Redness, Pain, 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: > 2,000 mg/kg

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
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Aspiration toxicity : no data available

Section: 12. ECOLOGICAL INFORMATION

Product AS SOLD
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 : Sodium Carbonate(soda)
96 h LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l
sodium metasilicate
96 h LC50 Fish: 210 mg/l
sodium dodecylbenzene sulfonate
96 h LC50: 3.2 mg/l

Components
Toxicity to daphnia and other aquatic invertebrates : Sodium Carbonate(soda)
48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

Persistence and degradability
Surfactants are 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.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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.

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

Sea transport (IMDG/IMO)
Not dangerous goods

Product AT USE DILUTION
Not intended for transport.

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:

1907/2006 (EU): not determined

Switzerland. New notified substances and declared preparations: Switzerland. Federal Health Agency, Giftliste 1 (Stoffe) 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. 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

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
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)

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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.

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