SAFETY DATA SHEET
DISHWASHING DETERGENT

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : DISHWASHING DETERGENT
Recommended use : Detergent
Supplier Name : Reward Distribution (Abn 40 010 183 669)
Address : 13 Business Street, Yatala, Qld, 4207
Telephone: General Enquiries : + 61 1800 473 927
Fax: General Enquiries : + 61 7 3441 5803
Emergency Telephone Number : Australia: 1800 205 506 (All Hours)
Issuing date : 09.08.2016

Section: 2. HAZARDS IDENTIFICATION

GHS Classification
Serious eye damage/eye irritation : Category 2A

GHS Label element
Hazard pictograms : !

Signal Word : Warning
Hazard Statements : Causes serious eye irritation.
Precautionary Statements : Prevention:
Wash skin thoroughly after handling. Wear eye protection/face protection.
Response:
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.

Other hazards : None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical Name | CAS-No. | Concentration: (%)
--- | --- | ---
Sodium poly(oxyethylene) dodecyl ether sulfate | 68585-34-2 | 5 - 10
sodium dodecylbenzene sulfonate | 25155-30-0 | 1 - 5

Section: 4. FIRST AID MEASURES

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.
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Continue rinsing. Get medical attention.

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: If potential for exposure exists refer to Section 8 for specific personal protective equipment.

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. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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
Sulphur oxides

Special protective equipment for firefighters: Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

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

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). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.
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Section: 7. HANDLING AND STORAGE

Advice on safe handling: Avoid contact with skin and eyes. Wash hands thoroughly after handling.


Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

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

Personal protective equipment

Eye protection: Safety glasses with side-shields
Hand protection: PVC
              Nitrile rubber
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.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid
Colour: light green
Odour: mild, like soap
pH: 8.2 - 9.0, 1%
Flash point: no data available
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: no data available
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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

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 known.
Hazardous decomposition products: Decomposition products may include the following materials:
Carbon oxides
Sulphur oxides

Section: 11. TOXICOLOGICAL INFORMATION

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

Potential Health Effects

Eyes: Causes serious 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, Pain, Irritation
Skin contact: No symptoms known or expected.
Ingestion: No symptoms known or expected.
Inhalation: No symptoms known or expected.
Toxicity

Product

<table>
<thead>
<tr>
<th>Toxicity Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>&gt; 2,000 mg/kg</td>
</tr>
<tr>
<td>Acute inhalation toxicity</td>
<td>no data available</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>no data available</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>no data available</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>no data available</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>no data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>no data available</td>
</tr>
<tr>
<td>Reproductive effects</td>
<td>no data available</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>no data available</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>no data available</td>
</tr>
<tr>
<td>STOT - single exposure</td>
<td>no data available</td>
</tr>
<tr>
<td>STOT - repeated exposure</td>
<td>no data available</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>no data available</td>
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</tbody>
</table>

Components

<table>
<thead>
<tr>
<th>Toxicity Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute dermal toxicity</td>
<td>Sodium poly(oxyethylene) dodecyl ether sulfate</td>
</tr>
<tr>
<td></td>
<td>LD50 rat: &gt; 2,000 mg/kg</td>
</tr>
</tbody>
</table>

Ecotoxicity

Environmental Effects: This product has no known ecotoxicological effects.

Product

<table>
<thead>
<tr>
<th>Toxicity Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to fish</td>
<td>no data available</td>
</tr>
<tr>
<td>Toxicity to daphnia and other aquatic invertebrates</td>
<td>no data available</td>
</tr>
<tr>
<td>Toxicity to algae</td>
<td>no data available</td>
</tr>
</tbody>
</table>

Components

<table>
<thead>
<tr>
<th>Toxicity Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to fish</td>
<td>Sodium poly(oxyethylene) dodecyl ether sulfate</td>
</tr>
<tr>
<td></td>
<td>96 h LC50 Fish: 28 mg/l</td>
</tr>
<tr>
<td></td>
<td>sodium dodecybenzene sulfonate</td>
</tr>
<tr>
<td></td>
<td>96 h LC50: 3.2 mg/l</td>
</tr>
</tbody>
</table>

Persistence and degradability

Biodegradable

Bioaccumulative potential

no data available

Mobility in soil
no data available

**Other adverse effects**
no data available

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### Section: 13. DISPOSAL CONSIDERATIONS

**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 reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

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### 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 (ADG)**
Not dangerous goods

**Sea transport (IMDG/IMO)**
Not dangerous goods

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### Section: 15. REGULATORY INFORMATION

**National regulatory information**

- **Standard for the Uniform Scheduling of Medicines and Poisons**: No poison schedule number allocated
- **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**: On the inventory, or in compliance with the inventory
- **Japan, ISHL - Inventory of Chemical Substances (METI)**: not determined
- **Korea, Korean Existing Chemicals Inventory (KECI)**: On the inventory, or in compliance with the inventory
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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

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 : 09.08.2016
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.