

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Version No: 3

Revision Date: 31/03/2017

Print Date: 13/09/2017

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Earth Choice Dishwash 1L

Other Name(s): Lemon ECD FM141003 FP1041 9310692 111115  
 Lemon (China) CED FM141004 FP1041L 9310692 111115  
 Aloe EDA FM141018 - 9310692 111214  
 Aloe (China) CEA FM141002 FP1040L 9310692 111214

Recommended Use: Hand dishwashing detergent.

Supplier: Natures Organics Pty Ltd

Address: 31 Cornhill Street  
 Ferntree Gully  
 VIC 3156

Telephone: +613 9759 0300

Emergency Telephone: +613 9759 0300 (8 am to 5 pm EST)

### 2. HAZARDS IDENTIFICATION

GHS Classification of the substance or mixture: This substance / preparation is classified as hazardous according to the GHS of Classification and Labelling of Chemicals, Third Revision.

Classification of the substance or mixture: SERIOUS EYE DAMAGE – Category 1  
 SKIN IRRITATION – Category 2

#### GHS label elements

Hazard pictograms:



Signal word: DANGER

Hazard statements: H318 Causes serious eye damage.  
 H315 Causes skin irritation.

Precautionary statements: P264 Wash hands thoroughly after handling.  
 P280 Wear eye protection and protective gloves.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTRE or doctor.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313  
P362

If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash before re-use.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Name</u>            | <u>CAS Number</u> | <u>Proportion (%)</u> |
|---------------------------------|-------------------|-----------------------|
| Water                           | 7732-18-5         | > 60                  |
| Sodium Dodecylbenzene Sulfonate | 25155-30-0        | 10 - 30               |
| Sodium Laureth Sulfate          | 68603-42-9        | < 10                  |
| Cocamide DEA                    | 61790-63-4        | < 10                  |
| Sodium Citrate                  | 6132-04-3         | < 10                  |
| Aloe Vera Extract               | 85507-69-3        | < 10                  |
| Fragrance                       | -                 | < 1                   |
| Benzisothiazolinone             | 2634-33-5         | < 0.1                 |
| CI 42090                        | 3844-45-9         | < 0.1                 |

The authorities of the European Community have selected 26 fragrance ingredients which are considered to be potential allergens. If any of these 26 fragrance ingredients are determined to be present at a level of 10 ppm (= 0.001%) or more in a leave-on personal care product or at a level of 100 ppm (= 0.01%) or more in a rinse-off personal care product or detergent product, then they must be included as an ingredient on the product label if the product is to be sold in the European Community. Whilst Australian legislation and regulations for personal care products and detergent products does not require such ingredient disclosure, it is provided below in the interests of transparency and to assist consumers in making an informed choice.

*Variant*                      *Fragrance ingredients which are considered to be potential allergens present in the product at a level of 100 ppm (=0.01%) or more*

|       |                              |               |        |
|-------|------------------------------|---------------|--------|
| Lemon | Limonene (d- and l-Limonene) | CAS 5989-27-5 | 0.027% |
|-------|------------------------------|---------------|--------|

|      |   |  |  |
|------|---|--|--|
| Aloe | - |  |  |
|------|---|--|--|

### 4. FIRST AID MEASURES

|                       |                                                                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ingestion:            | Rinse mouth with water. Do not induce vomiting. Give plenty of water to drink. If irritation persists, seek medical advice or contact the Poisons Information Centre (phone Australia 13 1126, NZ 0800 764 766). |
| Eye:                  | Immediately hold eyes open and flush with water for at least 15 minutes. If irritation persists, seek medical advice.                                                                                            |
| Skin:                 | Wipe off excess with tissue or towel. Remove contaminated clothing. Wash well with water. If irritation occurs, seek medical advice.                                                                             |
| Inhaled:              | Not applicable.                                                                                                                                                                                                  |
| First Aid Facilities: | Workcover recommended first aid facilities appropriate to the size of the workplace.                                                                                                                             |
| Advice to Doctor:     | Treat symptomatically.                                                                                                                                                                                           |

## 5. FIRE FIGHTING MEASURES

|                                   |                                                                                                                                                                                                                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extinguishing media:              | Water spray or fog, foam, dry chemical powder, carbon dioxide.                                                                                                                                                                                                                       |
| Hazards from combustion products: | This mixture is not combustible under normal conditions. However, it will break down under fire conditions and the hydrocarbon component will burn. In a large fire, heating may produce toxic fumes containing carbon monoxide, carbon dioxide, sulfur dioxide and nitrogen oxides. |
| Personal protective equipment:    | Fire fighters to wear self-contained breathing apparatus and suitable protective clothing.                                                                                                                                                                                           |
| Hazchem code:                     | None assigned.                                                                                                                                                                                                                                                                       |

## 6. ACCIDENTAL RELEASE MEASURES

|                                                     |                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency procedures:                               | Slippery when spilt. Avoid accidents, clean up immediately. Wear personal protective equipment during cleanup.                                                                                                                                                         |
| Methods and materials for containment and clean up: | Contain spill to prevent contamination of drains / waterways. Use absorbent material such as sand or earth. Collect and seal in properly labelled containers for disposal in accordance with local regulations. Wash area down with water to remove residual material. |

## 7. HANDLING AND STORAGE

|                                |                                                                                                                                                                                                                  |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling: | Avoid skin and eye contact.                                                                                                                                                                                      |
| Conditions for safe storage:   | Store in original containers in a cool (below 30°C), dry, well ventilated area and out of direct sunlight. Store away from foodstuffs, foodstuff containers and incompatible materials such as oxidising agents. |
| Storage incompatibility:       | Incompatible with strong oxidising agents.                                                                                                                                                                       |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards: Australia <sup>(1)</sup>

| Ingredient | CAS No. <sup>(a)</sup> | TWA                |                                  | STEL               |                                  | Carcinogen Category | Notices |
|------------|------------------------|--------------------|----------------------------------|--------------------|----------------------------------|---------------------|---------|
|            |                        | ppm <sup>(b)</sup> | mg/m <sup>3</sup> <sup>(c)</sup> | ppm <sup>(b)</sup> | mg/m <sup>3</sup> <sup>(c)</sup> |                     |         |
| -          | -                      | -                  | -                                | -                  | -                                | -                   | -       |

where:

TWA = Time Weighted average

STEL = Short Term Exposure Limit

<sup>(1)</sup> Worksafe Australia Exposure Standard for Atmospheric Contaminants in Occupational Environment [NOHSC:1003 1995]

<sup>(a)</sup> CAS No. (Chemical Abstracts Service) is a unique identifying number that is assigned to each chemical.

<sup>(b)</sup> Parts of vapour or gas per million of contaminated air by volume at 25°C and 1 atm.

<sup>(c)</sup> Milligrams of substance per cubic metre of air.

Sk Absorption through the skin may be a significant source of exposure.

Biological limit values: Not available

Engineering controls: Use in well ventilated areas.

|                                |              |                                                                         |
|--------------------------------|--------------|-------------------------------------------------------------------------|
| Personal protective equipment: | Eyes:        | Wear eye protection when handling the neat product.                     |
|                                | Hands:       | Wear suitable gloves for prolonged exposure.                            |
|                                | Respiratory: | Not normally a hazard due to the non-volatile nature of the product.    |
|                                | Other:       | Always wash hands before smoking, eating, drinking or using the toilet. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                           |                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|
| Appearance                | Clear slightly viscous liquid.<br>The Lemon variant is a yellow colour.<br>The Aloe variant is a pale green colour. |
| Odour                     | The Lemon variant has a lemon fragrance.<br>The Aloe variant has a floral fragrance.                                |
| pH (neat)                 | 6.5 – 7.5                                                                                                           |
| Vapour Pressure (kPa)     | Not available                                                                                                       |
| Boiling Point (°C)        | Approximately 100°C (water)                                                                                         |
| Melting Point (°C)        | Not available                                                                                                       |
| Solubility in Water       | Readily soluble                                                                                                     |
| Specific Gravity          | Approximately 1.023 @ 20°C                                                                                          |
| Flash Point (°C)          | Not applicable                                                                                                      |
| Flammability Limits       | Not flammable                                                                                                       |
| Ignition Temperature      | Not available                                                                                                       |
| Specific Heat Value       | Not available                                                                                                       |
| VOC Content               | < 1%                                                                                                                |
| Evaporation Rate          | Not available                                                                                                       |
| Viscosity (cps)           | Approximately 1000 cps @ 20°C                                                                                       |
| Volatile Component        | 83%                                                                                                                 |
| Saturated Vapour Pressure | Not available                                                                                                       |
| Decomposition Temperature | Not available                                                                                                       |

## 10. STABILITY AND REACTIVITY

|                                   |                                                                                                      |
|-----------------------------------|------------------------------------------------------------------------------------------------------|
| Chemical stability:               | Stable under normal conditions.                                                                      |
| Conditions to avoid:              | Excessive heat and direct sunlight.                                                                  |
| Incompatible materials:           | Strong oxidising agents.                                                                             |
| Hazardous decomposition products: | Thermal degradation may produce carbon monoxide, carbon dioxide, sulfur dioxide and nitrogen oxides. |
| Hazardous reactions:              | None known.                                                                                          |

## 11. TOXICOLOGICAL INFORMATION

Potential health effects:

### Acute

Swallowed: May cause irritation if directly introduced to the mouth, throat and stomach. Symptoms may include abdominal pain, nausea, vomiting and diarrhoea.

| Oral LD50 (rat): | Ingredient                      | Oral LD <sub>50</sub> (rat) | Dermal LD <sub>50</sub> (rabbit) |
|------------------|---------------------------------|-----------------------------|----------------------------------|
|                  | Sodium Dodecylbenzene Sulfonate | > 1000 mg/kg                | > 2000 mg/kg                     |
|                  | Sodium Laureth Sulfate          | > 2000 mg/kg                | > 2000 mg/kg                     |
|                  | Cocamide DEA                    | > 5000 mg/kg                | > 2000 mg/kg                     |

Eye: Irritating to eyes.

Skin: Repeated or prolonged skin contact may lead to irritation.

Inhaled: Not normally a hazard due to non-volatile nature of product.

Chronic No information available.

## 12. ECOLOGICAL INFORMATION

|                               |                                                                                                                            |             |               |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------|---------------|
| Ecotoxicity:                  | Ingredient                                                                                                                 | LC50 (fish) | EC50 (algae)  |
|                               | Sodium Dodecylbenzene Sulfonate                                                                                            | 6 mg/L      | 6.9 mg/L      |
|                               | Sodium Laureth Sulfate                                                                                                     | 2.3 mg/L    | > 5 - 37 mg/L |
|                               | Cocamide DEA                                                                                                               | < 10 mg/L   | < 10 mg/L     |
| Persistence and Degradability | The surfactants contained in this product are classified as readily biodegradable according to OECD criteria 301B or 301D. |             |               |
| Mobility                      | No information available.                                                                                                  |             |               |
| Other                         | Avoid contaminating waterways.                                                                                             |             |               |

## 13. DISPOSAL CONSIDERATIONS

|                 |                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Waste disposal: | Dispose of by incineration or burial in an approved landfill in accordance with Commonwealth, State and Local Government regulations. |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------|

## 14. TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

|                               |      |
|-------------------------------|------|
| UN Number:                    | None |
| Proper Shipping Name:         | None |
| Dangerous Goods Class:        | None |
| Subsidiary Risk:              | None |
| Pack Group:                   | None |
| Hazchem Code:                 | None |
| Marine Pollutant:             | No   |
| Special precautions for user: | None |

## 15. REGULATORY INFORMATION

Poisons Schedule: None.

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

|                      |                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------|
| For Emergencies:     | Australian Poisons Information Centre – phone 13 1126<br>New Zealand Poisons Information Centre – phone 0800 764 766 |
| Prepared By:         | Greg Bryant<br>Chief Chemist                                                                                         |
| Issue Date:          | 31/03/2017                                                                                                           |
| Revision No:         | 3                                                                                                                    |
| Supersedes:          | Revision 2 dated 21/06/2013                                                                                          |
| Reason for Revision: | Update to GHS format                                                                                                 |

This MSDS summarises to our best knowledge the health and safety hazard information for the product and general guidance on how to safely handle the product in the workplace. Each user must, prior to usage, assess and control the risks arising from its use of the product in the workplace, including in conjunction with other products. This information is presented in good faith and is based on current data considered to be correct to the best of our knowledge.

**End of document.**