

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Version No: 3

Revision Date: 21/10/2022

Print Date: 21/10/2022

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Earth Choice Dishwasher Powder Ultra Concentrate Lemon Fresh 1 kg		
Other Name(s):	EDW	FX141003	9310692 113218
Recommended Use	Machine dishwashing detergent		
Supplier	Natures Organics Pty Ltd		
Address	31 Cornhill Street Ferntree Gully VIC 3156		
Telephone	(03) 9759 0300		
Emergency Telephone	(03) 9759 0300 (8am - 5pm)		

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: EYE IRRITATION – Category 1

GHS label elements

Hazard pictograms:



Signal word:	Danger	
Hazard statement(s):	H318	Causes serious eye damage.
Precautionary statements:	P280	Wear protective gloves and eye protection.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	8	
	P310	Immediately call a POISON CENTRE or doctor.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion (% w/w)</u>
Sodium Carbonate	497-19-8	10 - 30%
Sodium Percarbonate	15630-89-4	10 - 30%
Sodium Disilicate	13870-28-5	< 10%
Sodium Methyl Ester Sulfonate	149458-07-1	< 1%
Protease (Subtilisin)	9014-01-1	< 0.1%
Alpha Amylase	9000-90-2	< 0.1%
Ingredients not classified as hazardous according to NOHSC	-	Balance to 100%

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.

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

Limonene (d- and l-Limonene)	CAS 5989-27-5	0.089%
Linalool	CAS 78-70-6	0.016%
Citral	CAS 5392-40-5	0.012%

4. FIRST AID MEASURES

Ingestion	Rinse mouth with water. Do not induce vomiting. Give plenty of water to drink. 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 large amounts of water for at least 15 minutes. If irritation persists, seek medical advice.
Skin	Wipe off excess with tissue or towel. Remove contaminated clothing. Flush skin and hair well with running water. If irritation occurs, seek medical advice.
Inhalation	Remove victim from exposure to fresh air. If not breathing apply artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.
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	Foam, dry chemical powder or carbon dioxide extinguishers.
Hazards from products	This mixture contains inorganic oxidants that release oxygen on heating which may contribute to the combustion process.
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	Avoid breathing dusts. Keep area well ventilated. Clear area of all unprotected personnel. Avoid accidents, clean up immediately. Wear sufficient personal protective equipment including respiratory protection.
Minor Spills	Scoop up spill into a container and wash area with water.
Larger Spills	Contain spill to prevent contamination of drains / waterways. Vacuum or sweep up material avoiding dust generation. Respirator protection may be required if dust is present and ventilation is inadequate. Collect and seal in properly labelled containers for disposal in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling	Avoid generating dust. Avoid skin and eye contact.
Conditions for safe storage	Store in original containers in a cool, dry, well ventilated area and out of direct sunlight. Recommended storage temperature range is between 0°C and 30°C. Protect from moisture and water. Store away from incompatible materials and foodstuff containers.
Storage incompatibility	Combustible and flammable materials, reducing agents, strong acids, strong alkalies. Do not allowed prolonged contact with metals such as aluminium, iron, copper etc.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards: Australia ⁽¹⁾

No exposure standard applies for the product. However, the exposure standard for nuisance dust (not otherwise classified) is 10 mg/m³ (8 hr TWA – inspirable dust).

Ingredient	CAS No. ^(a)	TWA		STEL		Carcinogen Cat.	Notices
		ppm ^(b)	mg/m ³ ^(c)	ppm ^(b)	mg/m ³ ^(c)		
Hydrogen Peroxide (Contained in the sodium percarbonate)	7722-84-1	1	1.4	-	-	-	-
Subtilisin (Proteolytic enzymes as 100% pure crystalline enzyme)	1395-21-7 (=9014-01-1)		0.00006 Peak limitation				Sen

where:

TWA = Time Weighted average

STEL = Short Term Exposure Limit

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

^(a) CAS No. (Chemical Abstracts Service) is a unique identifying number that is assigned to each chemical.

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

^(c) 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. If dusts are produced, local exhaust ventilation should be used.

Personal protective equipment	Eyes	Generally not required.
	Clothing	Generally not required. Wear suitable gloves for prolonged contact.
	Respiratory	Use in well ventilated areas. If dusts are produced, local exhaust ventilation should be used.
	Industrial conditions	If dust is generated, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
	Other	Always wash hands before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White powder
Odour	Lemon fragrance
pH (1% solution)	10.5 – 11.0
Vapour Pressure (kPa)	Not applicable
Boiling Point (°C)	Not available
Melting Point (°C)	Not available
Solubility in water	Mostly soluble
Specific Gravity	~ 1.0
Flash Point (°C)	Not applicable
Flammability Limits	Not flammable
Ignition temperature (°C)	Not applicable
Specific heat value	Not available
VOC content (%)	Not applicable
Evaporation rate	Not applicable
Viscosity (cps)	Not applicable
Volatile component (%)	< 1
Saturated vapour pressure	Not applicable
Decomposition temperature	Sodium Percarbonate > 50°C (O ₂ evolution starts) > 400°C (CO ₂ evolved)

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions in dry state. Contains oxidizing agent (sodium percarbonate).
Conditions to avoid	Excessive moisture or humidity, high temperature.
Incompatible materials	Store away from combustible and flammable materials, reducing agents, strong acids, strong alkalies. Do not allow prolonged contact with metals (aluminium, iron, copper etc.)
Hazardous decomposition products	Hydrogen peroxide; excess oxygen; carbon dioxide.
Hazardous reactions	Not known.

11. TOXICOLOGICAL INFORMATION

Potential health effects	
<u>Acute</u>	
Swallowed	The oral ATE (Acute Toxicity Calculation) has been calculated to be > 2000 mg/kg, so the product is not considered to be toxic via ingestion under the Australian WHS Regulations. Likely to cause irritation of the gastrointestinal tract, nausea, vomiting and diarrhoea. Sodium Percarbonate may release oxygen and cause stomach discomfort.
Eye	The eye damage Cat 1 score has been determined to be > 1, so the product is considered by GHS to cause Cat 1 eye damage. May cause moderate irritation to the eyes, including redness and stinging.
Skin	The dermal ATE (Acute Toxicity Calculation) has been calculated to be > 5000 mg/kg, so the product is not considered to be toxic via skin contact under the Australian WHS Regulations. The skin irritation Category 2 score has been determined to be < 1, so the product is considered by GHS not to be a Category 2 skin irritant. Repeated or prolonged skin contact may lead to irritation.

Inhaled	The inhalation ATE (Acute Toxicity Calculation) has been calculated to be > 5 mg/L, so the dust generated by the product is not considered to be toxic via inhalation under the Australian WHS Regulations. Inhalation of dust may irritate the respiratory system.
<u>Chronic</u>	Not considered to exhibit any form of chronic toxicity including carcinogenicity, mutagenicity, reproductive toxicity or specific organ toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The product has not been tested for ecotoxicity , but the below statements have been derived from a summation of all substances in the formula based on the GHS criteria. Hazardous to the aquatic environment - acute: Cat. 2 H401 – Toxic to aquatic life P273 – Avoid release to the environment (<i>if this is not the intended use</i>). P501 – Dispose of contents/container in accordance with local regulations. Note that these hazard categories are exempt from classification under the WHS Regulations.
Persistence and Degradability	Sodium Methyl Ester Sulfonate is classified as readily biodegradable according to AS4351 and/or OECD criteria.
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	None
Class:	
Subsidiary Risk:	None
Pack Group:	None
Hazchem Code:	None
Marine Pollutant:	No
Special precautions for user:	None

15. REGULATORY INFORMATION

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule (SUSDP) None

16. OTHER INFORMATION

For Emergencies Australian Poisons Information Centre – phone 13 1126
New Zealand Poisons Information Centre – phone 0800 764 766

Issued By: Greg Bryant
Chief Operations Chemist

Issue Date: 24/10/2017

Version No: 2

Supersedes: Version 2 dated 24/10/2017

Reason for Revision: 5 year update including revisions to Sections

This MSDS summarises to our best knowledge of the health and safety hazard information of 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.

End of Document