

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Version No: 3

Revision Date: 4/05/2017

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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Earth Choice Ultra Concentrate Top & Front Loader Laundry Powder				
Other Name(s)	1 kg box	EPD	FX141002	FX1007	9310692 122111
	2 kg box	EP2	FX142002	FX2007	9310692 122128
	4 kg bucket	EP4	FX144001	FX4000	9310692 122142
Recommended Use	Laundry powder used for garment washing				
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: EYE IRRITATION – Category 2A
SKIN IRRITATION – Category 2
SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE – Category 3

GHS label elements

Hazard pictograms:



Signal word:	WARNING	
Hazard statement(s):	H319	Causes serious eye irritation.
	H315	Causes skin irritation.
	H335	May cause respiratory irritation.
Precautionary statements:	P261	Avoid breathing dust.
	P264	Wash hands thoroughly after handling.
	P271	Use in a well ventilated area.
	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.
P337+P313	If eye irritation persists: Get medical advice/attention.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before re-use.
P405	Store locked up.
P501	Dispose of rinsed container to recycling.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion (%)</u>
Sodium Carbonate	497-19-8	30 – 60
Sodium Sulfate	7757-82-6	10 – 30
Sodium Citrate	6132-04-3	10 – 30
Sodium Bicarbonate	144-55-8	10 – 30
Sodium Methyl Ester Sulfonate	149458-07-1	< 10
Sodium Aluminosilicate	1344-00-9	< 10
Sodium Oleate	143-19-1	< 10
Bentonite	1302-78-9	< 10
Cellulose Gum	9004-32-4	< 10
Fragrance	-	< 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.

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	0.072%
Citral	CAS 5392-40-5	0.020%

4. FIRST AID MEASURES

Ingestion	Rinse mouth out with water. Do not induce vomiting. Give plenty of water to drink. If irritation develops and 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.

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	Water spray or fog, foam, dry chemical powder, carbon dioxide.
Hazards from products	This mixture is not combustible under normal combustion 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 sulfur dioxide, carbon monoxide and carbon dioxide.
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	Clear area of all unprotected personnel. Avoid accidents, clean up immediately. Wear sufficient respiratory protection and personal protective equipment.
Methods and materials for containment and clean up	Contain spill to prevent contamination of drains/ water ways. Vacuum or sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust. 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. Protect from moisture and water. Store away from incompatible materials, foodstuffs and foodstuff containers.
Storage incompatibility	Oxidising agents, strong acids, aluminium, fluorine, magnesium and calcium oxide.

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 Category	Notices
		ppm ^(b)	mg/m ³ ^(c)	ppm ^(b)	mg/m ³ ^(c)		
Nuisance dust	-	-	10	-	-	-	-

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:	Generally not required.
	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	Essentially white powder containing some brown granules
Odour	Citrus
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	~ 1.15 (untamped bulk density)
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	Not available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Conditions to avoid	Excessive moisture.

Incompatible materials	Oxidising agents, strong acids, aluminium, fluorine, magnesium and calcium oxide.
Hazardous decomposition products	Sulfur dioxide, carbon monoxide, carbon dioxide.
Hazardous reactions	Not known.

11. TOXICOLOGICAL INFORMATION

Potential health effects

Acute

Oral LD ₅₀ (rat)	Ingredient	Oral LD ₅₀ (rat)	Dermal LD ₅₀ (rabbit)
	Sodium Carbonate	4090 mg/kg	> 2000 mg/kg
	Sodium Sulfate	5989 mg/kg	Not available
	Sodium Citrate	> 5000 mg/kg	> 2000 mg/kg
	Sodium Bicarbonate	4220 mg/kg	Not available
	Sodium Methyl Ester Sulfonate	> 2000 mg/kg	Not available

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

Eye Irritating to eyes.

Skin Repeated or prolonged skin contact may lead to irritation.

Inhaled Inhalation of dust may irritate the respiratory system.

Chronic No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Ingredient	LC50 (fish) 96 hr	EC50 (algae) 72 hr
	Sodium Carbonate	300 mg/L	Not available
	Sodium Sulfate	120 mg/L	Not available
	Sodium Citrate	> 100 mg/L	> 100 mg/L
	Sodium Bicarbonate	658 mg/L	650 mg/L
	Sodium Methyl Ester Sulfonate	1.50 mg/L	Not available

Persistence and Degradability: The product has not been tested. Sodium Methyl Ester Sulfonate is classified as readily biodegradable when tested according to 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 Class: None
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 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 Chemist

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Supersedes: Version No: 2 dated 18/09/2015

Reason for Revision: Update to GHS format

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.

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