

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Version No: 2

Revision Date: 28/11/2023

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### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Earth Choice Ultra Concentrate BioPlus <sup>+</sup> Power Liquid			
Other Name(s):	Pack Size	Product Code	Internal Code	Barcode
	2L	FM142004	EB2	9310692 123620
	4.4L	FM144407	CB4	9310692 123644
Recommended Use:	Laundry liquid 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, 7th Revision.

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

GHS label elements

Hazard pictograms:



Signal word:	DANGER	
Hazard statement:	H318	Causes serious eye damage.
	H315	Causes skin irritation.
Precautionary statements:	P264	Wash hands thoroughly after handling.
	P280	Wear eye protection/face protection/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/doctor.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P332+P313	If skin irritation occurs: Get medical advice/attention.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion (%)</u>
Laureth-8	68439-50-9	< 10%
Sodium Laureth Sulfate	9004-82-4	< 10%
Coco-Glucoside	110615-47-9	< 10%
Ethanol	64-17-5	< 10%
Sodium Carbonate	497-19-8	< 10%
Fragrance	-	< 1%
Citric Acid	77-92-9	< 1%
Subtilisin	9014-01-1	< 1%
Benzisothiazolinone	2634-33-5	< 0.05%
Methylchloroisothiazolinone, mixture with Methylisothiazolinone	55965-84-9	< 0.0015%
Ingredients determined not to be hazardous		- 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*

No IFRA identified allergens are contained in this product at levels > 0.010%

### 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. Seek medical advice if irritation occurs.
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 or carbon dioxide extinguishers.
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 appropriate protective equipment during clean-up.  
 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: Follow product label directions. Avoid eye contact. Repeated or prolonged skin contact should be avoided.  
 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. Store away from foodstuffs and foodstuff containers.  
 Storage incompatibility: None known.

## 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>		
Ethanol	64-17-5	1000	1880	-	-	-	-

where:

TWA = Time Weighted average

STEL = Short Term Exposure Limit

<sup>(1)</sup> Safe Work Australia Workplace Exposure Standards for Airborne Contaminants 1/10/2022

<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: None under normal use conditions.

Personal protective equipment: Eyes: The wearing of eye protection when handling the neat product in industrial situations is recommended.

Hands: Wear nitrile or rubber gloves.

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 pale straw coloured slightly viscous liquid.
Odour	Floral fruity fragrance
pH (neat)	Approximately 8.3
Vapour Pressure (kPa)	Not available
Boiling Point (°C)	Approximately 100°C (water)
Melting Point (°C)	< 0°C
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	Approximately 450 cps @ 20°C
Volatile Component	Approximately 82% w/v
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:	None known.
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:	The ATE (Acute Toxicity Calculation) has been calculated to be > 5000, so the product is <b>not</b> considered to be toxic according to GHS criteria. May cause irritation if directly introduced to the mouth, throat and stomach. Symptoms may include vomiting, abdominal pain, diarrhoea and nausea.
Eye:	The eye damage Category 1 score has been determined to be > 1, so the product is considered by GHS to cause Category 1 eye damage. May cause serious damage to the eyes, including redness and stinging. The damage may be irreversible.
Skin:	The dermal ATE (Acute Toxicity Calculation) has been calculated to be > 5000 mg/kg, so the product is <b>not</b> considered to be acutely toxic via skin contact according to GHS criteria. The skin irritation Category 2 score has been determined to be > 1, so the product is considered by GHS to be a Category 2 skin irritant. Repeated or prolonged skin contact may lead to irritation.

Inhaled: This product is not classified to be a skin sensitiser.  
Not normally a hazard due to the non-volatile nature of the product.  
Chronic This product contains no ingredients considered by GHS to be carcinogenic, mutagenic, toxic to reproduction or which may cause damage to organs through prolonged or repeated exposure.

## 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 with known ecotoxicities in the product based on the GHS criteria:  
Hazardous to the aquatic environment - acute: Category 2  
Not considered to be a chronic hazard to the environment.  
Note that these hazard categories are exempt from classification under the current Safe Work Australia Regulations.  
H401 Toxic to aquatic life.  
P273 Avoid release to the environment.  
P501 Dispose of contents in accordance with local regulations.

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  
New Zealand Poisons Information Centre – phone 0800 764 766

Prepared By: Andrew Gowty  
R & D Manager

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Reason for Revision: Inclusion of 4L pack size

### References:

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.

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