



Environmental Services Pty Ltd.

ABN: 45 092 217 215

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Material Safety Data Sheet

Issue Date: 26th March 2009.

PRODUCT NAME: Revolution Terrarium Deodoriser Cleaner

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name	Revolution Terrarium Deodoriser Cleaner TC-W0
Product Use	Botanical extracts based antibacterial cleaner for reptile and amphibian enclosures
Company Name	Environmental Services Pty Ltd
Address	16 Halsey Rd Airport West. VIC Australia 3042
Emergency Tel. Telephone Number/fax	03 93355366 Tel 03 93355366 Fax: (03) 93354399

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition Product based on bioflavonoids and organic acids

Ingredients	Name	CAS	Proportion
	Bioflavonoid Complex	72968-50-4	< 2%
	Organic acid blend	Proprietary	< 2%
	Botanical Extracts	Proprietary	< 2%
	Organic Surfactant	Proprietary	< 2%
	Pure Water		Rem

3. HAZARDS IDENTIFICATION

Not classified as hazardous according to the criteria of NOHSC and not classified as a dangerous good according to the ADG code.

Risk phrases:

R36/38 Irritating to eyes

Safety phrases:

S2 Keep out of reach of children.

S25 Avoid contact with eyes.

Hazard Category Non Hazardous. Non dangerous goods.

Symptoms & Effects May dry skin on prolonged contact with concentrate.

Other Hazard Information: Nil

4. FIRST AID MEASURES

Inhalation	Remove victim to fresh air. Investigate possible misuse of material. Seek medical attention.
Ingestion	Rinse mouth with water. Give water to drink. Never give anything by mouth to an unconscious person
Eye	Remove contact lenses. Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
Skin	Wash affected areas with water.
First Aid Facilities	Normal washroom facilities.
Advice to Doctor	Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Extinguishing Media	Use extinguishing media suitable for surrounding fire situation.
Specific Hazards	Nil.
Precautions in connection with Fire	Firefighters should wear Self-Contained Breathing Apparatus and full protective clothing to minimise exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from fire area.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Contain and collect using absorbent material. Small spills may be flushed to sewer. Dispose of to landfill.
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7. HANDLING AND STORAGE

Handling	Repeated or prolonged exposure to the concentrate without personal protection should be avoided in order to lessen the possibility of disorders. It is essential that all who come into contact with this material maintain good standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet Keep container closed and bung in place.
Storage	Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits	No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However as with all chemicals, exposure to concentrate should be kept to the least possible levels.
Respiratory Protection	Not necessary for the diluted product or when handling concentrate.
Eye Protection	Safety glasses.
Hand Protection	Plastic or rubber gloves recommended when handling concentrate. Incidental skin contact is not harmful.
Body Protection	N/A.
Eng. Controls	N/A.
Other information	No Biological Limit Value allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear brown medium viscosity liquid
Odour	Citrus scent
Boiling Point	105 ^o C
pH	8 – 8.5
Solubility in Water	emulsifies in water
Specific Gravity (H₂O = 1)	1.12 @ 20 ^o C
Physical State	Liquid.
Flash Point	Non flammable
Flammability	Non flammable
Flammable Limits LEL	Non flammable
Flammable Limits UEL	Non flammable

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and handling.
Hazardous Polymerization	Will not occur.
Materials to Avoid	Strong oxidizing agents.
Hazardous Decomposition	None known.
Products	None known.
Hazardous Reaction	Not a fire hazard.

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11. TOXICOLOGICAL INFORMATION

Toxicology Information	Not available
Inhalation	Ingredients are considered non hazardous when used as directed
Ingestion	Not a likely source of exposure, however, moderate quantities of concentrate may cause irritation. Potential symptoms include nausea, diarrhoea, abdominal pain and vomiting.
Skin	May cause skin irritation prolonged contact with the concentrate, which can result in redness in some people. No known effects through continual exposure to dilute solutions.
Eye	The concentrate may be a possible eye irritant. May cause eye soreness.
Chronic Effects	No known adverse effects.

12. ECOLOGICAL INFORMATION

Environ. Protection	Harmful to aquatic life in concentrate form. Not harmful to birdlife.
Mobility	No data is available for this product.
Persistence / Degradability	No data is available for this product.
Bioaccumulation	Fully biodegradable
Ecotoxicity	No data is available for this product.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

U.N. Number	None allocated
Proper Shipping Name	None allocated
DG Class	None allocated
Hazchem Code	None allocated
Packing Group	None allocated
EPG Number	None allocated
IERG Number	None allocated

15. REGULATORY INFORMATION

Safety Phrase	S2 Keep out of reach of children. S25 Avoid contact with eyes.
Poisons Schedule	Not Scheduled
AICS (Australia)	All ingredients are listed in the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Contact Person/Point	Environmental Services Manager 03 93355366
SDS History	MSDS Creation 26 th March 2009. ... End of MSDS...