



## Environmental Services Pty Ltd.

ABN: 45 092 217 215

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Airport West. Vic. 3042

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# Material Safety Data Sheet

Issue Date: 26<sup>th</sup> March 2009.

**PRODUCT NAME: Revolution Fruit and Vegetable Wash**

Not classified as hazardous according to criteria of NOHSC

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

<b>Product Name</b>	<b>Revolution Fruit and Vegetable Wash FD-W0</b>
<b>Product Use</b>	Botanical extracts based rinse for food
<b>Company Name</b>	Environmental Services Pty Ltd
<b>Address</b>	16 Halsey Rd Airport West. VIC Australia 3042
<b>Emergency Tel. Telephone Number/fax</b>	03 93355366 Tel 03 93355366 Fax: (03) 93354399

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Information on Composition** Product based on bioflavonoids and organic acids

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Bioflavonoid Complex	72968-50-4	< 2%
	Organic acid blend	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

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

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## 5. FIRE FIGHTING MEASURES

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<b>Extinguishing Media</b>	Use extinguishing media suitable for surrounding fire situation.
<b>Specific Hazards</b>	Nil.
<b>Precautions in connection with Fire</b>	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.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Spills &amp; Disposal</b>	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

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<b>Handling</b>	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.
<b>Storage</b>	Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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<b>Exposure Limits</b>	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.
<b>Respiratory Protection</b>	Not necessary for the diluted product or when handling concentrate.
<b>Eye Protection</b>	Safety glasses.
<b>Hand Protection</b>	Plastic or rubber gloves recommended when handling concentrate. Incidental skin contact is not harmful.
<b>Body Protection</b>	N/A.
<b>Eng. Controls</b>	N/A.
<b>Other information</b>	No Biological Limit Value allocated.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Clear pale brown low viscosity liquid
<b>Odour</b>	bitter sweet scent
<b>Boiling Point</b>	105 <sup>o</sup> C
<b>pH</b>	3.5 - 4
<b>Solubility in Water</b>	emulsifies in water
<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.12 @ 20 <sup>o</sup> C
<b>Physical State</b>	Liquid.
<b>Flash Point</b>	Non flammable
<b>Flammability</b>	Non flammable
<b>Flammable Limits LEL</b>	Non flammable
<b>Flammable Limits UEL</b>	Non flammable

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## 10. STABILITY AND REACTIVITY

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

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	Not available
<b>Inhalation</b>	Ingredients are considered non hazardous when used as directed
<b>Ingestion</b>	Not a likely source of exposure, however, moderate quantities of concentrate may cause irritation. Potential symptoms include nausea, diarrhoea, abdominal pain and vomiting.
<b>Skin</b>	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.
<b>Eye</b>	The concentrate may be a possible eye irritant. May cause eye soreness.
<b>Chronic Effects</b>	No known adverse effects.

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## 12. ECOLOGICAL INFORMATION

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

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## 13. DISPOSAL CONSIDERATIONS

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

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## 14. TRANSPORT INFORMATION

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

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## 15. REGULATORY INFORMATION

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

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## 16. OTHER INFORMATION

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*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.*

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