

Groundswell® Multi-Feed Accelerator A

Groundswell® Multi-Feed Accelerator A & B are paired formulations whose function is to stimulate the natural biological reactions responsible for the conversion of organic material in the Groundswell® continuous fermentation process. These formulations enable the safe conversion of mixed organic material without the wholesale loss of nutrient or production of negative gases and odour which characterises most other processes. These products are specifically designed to energise the Groundswell® process by stimulating bacterial photosynthesis.

Warnings: Not for human consumption. If accidental ingestion occurs, call a poison control centre. Do not use this product in any way contrary to this label. Keep away from eyes and exposed skin. If skin or eye contact occur rinse thoroughly with clean water to avoid irritation. Follow all local laws when disposing of this product. Use in a well-ventilated area. This product has a strong fermentative odour which dissipates quickly after use.

NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THE LABEL

Ingredients: Syrup, yeast, fruit, purified water.

Storage Instructions: Store in a shaded place until ready to use. DO NOT FREEZE. Keep container closed and free of debris when not in use. DO NOT SHAKE. Groundswell® Multi-Feed Accelerator A is a fermented product. Colour and odour may vary during storage.

Product Usage

- Used in conjunction with Groundswell® Multi-Feed Accelerator B for converting bulk organics to humus rich soil enhancer through the Groundswell® process.

Directions for Use

Application Type	Product Volume (Litres)	Dilution Rate (Product: Water)	Comments
At least 75% of clean dry organic matter	200ml/ 1 tonne of organic matter	1:10	<ul style="list-style-type: none">• Use in combination with Groundswell® Multi-Feed Accelerator B• Apply as per directions in the Groundswell® Application Manual.
Manure/ sludge/ other difficult residues	250mL/ 1 tonne of organic matter	1:10	<ul style="list-style-type: none">• Use in combination with Groundswell® Multi-Feed Accelerator B

			<ul style="list-style-type: none">• Apply as per directions in the Groundswell® Application Manual.
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Applications

- Beef feedlot
- Emergency disaster recovery
- Municipal residue management
- Aquatic weeds
- Farm organics management



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SAFETY DATA SHEET

Groundswell® Multi-Feed Accelerator A

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier	: 280214GMFAA
WHMIS Classification	: N/A
Product Use	: Organic residue digestion
Manufacturer's Name	: VRM Biologik Pty Ltd
Street Address	: 22 Reward Crescent, Bohle, Queensland 4818 Australia
Phone	: +61 7 4774 6337
Date Prepared	: 31 January 2023

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	%	CAS Number	LD50 of Ingredient	LC50 of Ingredient
Purified Water	94.85	7732-18-5	N/A	N/A
Syrup	5.0	68425-17-2	N/A	N/A
Fruit	0.1	N/A	N/A	N/A
Yeast	0.05	68876-77-7	N/A	N/A

3. HAZARDS IDENTIFICATION

Poisons Schedule (Australia)	: N/A
Hazard Categories	: N/A
Pictograms	: N/A
Signal Word	: N/A
Hazard Statements	: N/A

4. FIRST AID MEASURES

Contact Point	Detrimental Results	First Aid Measures
Eye Contact:	May result in mild irritation. Avoid contact with water - based contact lenses.	Rinse with water for at least 15 minutes.
Skin Contact :	Prolonged contact with concentrated liquid. May result in dryness and irritation of sensitive skin.	N/A
Ingestion:	May cause nausea if swallowed.	Give water to drink, do not induce vomiting.
Inhalation:	None at prepared dilutions. Note: intentional concentration and inhalation of vapours may be harmful.	Remove victim to open and ventilated area.

5. FIRE FIGHTING MEASURES

Flammable Limits	: Non-Flammable
Means of Extinction	: N/A
Flash Point (Degrees C)	: N/A
Upper Flammable Limit (% by volume)	: N/A
Lower Flammable Limit (% by volume)	: N/A
Auto Ignition Temperature (Degrees C)	: N/A
Explosion Data - Sensitivity to Impact	: N/A
Explosion Data - Sensitivity to Static Discharge	: N/A
Hazardous Combustion Products	: N/A

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	: Nil
Clean Up Procedures	: Wash area with water to prevent stickiness.
Waste Disposal Information	: Dispose to sewer or with composted material.

7. HANDLING AND STORAGE

Handling	: Avoid excessive shaking, vent storage containers during transport.
Precautions For Safe Handling	: None
Storage	: Store away from excessive heat.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	: N/A
Respiratory Protection	: Exercise caution when concentration of vapour is possible.
Ventilation	: Exercise caution when concentration of vapour is possible.
Protective Gloves	: Rubber / Plastic Gloves recommended.
Eye Protection	: Safety Glasses recommended for prolonged contact with concentrated liquid (liquid is low pH)
Other Protective Measures	: Avoid Inhalation of concentrated vapour.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Odour and Appearance	: Fermented Fragrance / Reddish Brown Colour
Odour Threshold	: N/A
Specific Gravity / (H ₂ O=1)	: 1
Vapour Density (Air=1)	: As Water
Vapour Pressure (mmHg)	: As Water
Evaporation Rate: (Butyl Acetate=1)	: As Water
Boiling Point (degrees C)	: 100
Freezing Point (degrees C)	: 0
pH	: 3.1 - 3.8
Coefficient of Water/Oil Distribution	: N/A
Solubility In Water	: Liquid Soluble
Percent Volatile By Volume	: < 0.5%
Initial boiling point and boiling range	: N/A
Flash point	: N/A
Flammability (solid, gas)	: N/A
Upper/lower flammability or explosive limits	: N/A
Relative density	: N/A
Auto-ignition temperature	: N/A
Decomposition temperature	: N/A



10. STABILITY AND REACTIVITY DATA

Stability	: Alcohol may be released when sprayed as aerosol.
Conditions To Avoid	: Excessive direct heat may damage product. Avoid Inhalation of concentrated vapour.
Materials To Avoid	: Contact with Strong Alkali products may result in exothermic reaction.
Hazardous Decomposition Products	: None
Hazardous Polymerisation	: None

11. TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	: N/A
Effects of Chronic Exposure	: N/A

Irritancy of Product

Skin Sensitisation	: N/A
Respiratory Sensitisation	: N/A
Carcinogenicity-IARC, IARC	: N/A
Carcinogenicity-ACGIH, ACGIH	: N/A
Reproductive Toxicity	: N/A
Teratogenicity	: N/A
Embryotoxicity	: N/A
Mutagenicity	: N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity	: Nil
Persistence and Degradability	: Nil
Mobility	: Nil
Other Adverse Effects	: Nil
Bioaccumulation potential	: Nil
Environmental Fate	: Nil
Environmental Impact	: Nil

13. DISPOSAL CONSIDERATIONS

General Information	: Dispose to sewer or with composted material.
Special Precautions for Landfill	: Recycle container where possible.



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14. TRANSPORT INFORMATION

LAND TRANSPORT

Proper Shipping Name	: Groundswell® Multi-Feed Accelerator A
Class	: Non-hazardous
Subsidiary Risk(s)	: Nil
EPG	: N/A
UN Number	: N/A
Hazchem	: N/A
Pack Group	: N/A
Special Precautions for user	: Nil
Marine pollutant (Yes / No)	: No

SEA TRANSPORT

Proper Shipping Name	: Groundswell® Multi-Feed Accelerator A
Class	: Non-hazardous
Subsidiary Risk(s)	: Nil
UN Number	: N/A
Hazchem	: N/A
Pack Group	: N/A
Marine pollutant (Yes / No)	: No

15. REGULATORY INFORMATION

Poisons Schedule	: No Poisons Schedule number allocated
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16. OTHER INFORMATION

For information on appropriate emergency procedures, seek medical advice. For emergencies, please contact +61 403 466 820 (24 hours)

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