

## IVC Accelerator A

IVC Accelerator A, used together with IVC Accelerator B, is an augmentative formulation used to stimulate catalytic reactions that improve process consistency and reduce the production of noxious gases in the operation of In-Vessel Composting units and other forms of anaerobic digestion.

**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, food grade phosphoric acid, potassium humate, vegetable oil, 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. Bio-Seed is a fermented product. Colour and odour may vary during storage.

## Product Usage

- Apply in in-vessel composters, anaerobic digestors and any process where the decomposition of organic residues is causing odour.

## Directions for Use

Application Type	General Application Rate (L/ Tonne)	Dilution (Product:Water)	Comments
Direct application to organic residue	15	1:10	<ul style="list-style-type: none"><li>• Use in 1:1 ratio with IVC Accelerator B</li><li>• Spray directly and evenly to material in a fine mist. Ensure total material coverage.</li></ul>

## Examples of Application Types



## SAFETY DATA SHEET

### VRM® IVC Accelerator A

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier	: 280214IAA
WHMIS Classification	: N/A
Product Use	: Fermentation Aid.
Manufacturer's Name	: <b>VRM Biologik Pty Ltd</b>
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	0.10	N/A	N/A	N/A
Yeast	0.05	8013-01-2	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:	None at prepared dilutions.	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	: None at prepared dilutions.
Other Protective Measures	: None at prepared dilutions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Odour and Appearance	: Reddish Brown Colour / Fermented Fragrance
Odour Threshold	: N/A
Specific Gravity (H <sub>2</sub> 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%



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## 10. STABILITY AND REACTIVITY DATA

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

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## 11. TOXICOLOGICAL INFORMATION

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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	: N/A
Carcinogenicity-ACGIH	: N/A
Reproductive Toxicity	: N/A
Teratogenicity	: N/A
Embrototoxicity	: N/A
Mutagenicity	: N/A

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## 12. ECOLOGICAL INFORMATION

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

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## 13. DISPOSAL CONSIDERATIONS

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General Information	: Dispose via sewer or with composted material.
Special Precautions for Land Fill	: Recycle container where possible.



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## 14. TRANSPORT INFORMATION

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### LAND TRANSPORT

Proper Shipping Name	: VRM® IVC 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

### SEA TRANSPORT

Proper Shipping Name	: VRM® IVC Accelerator A
Class	: Non-hazardous
Subsidiary Risk(s)	: Nil
UN Number	: N/A
Hazchem	: N/A
Pack Group	: N/A

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## 15. REGULATORY INFORMATION

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Poisons Schedule : No Poisons Schedule number allocated

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## 16. OTHER INFORMATION

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For information on appropriate emergency procedures, seek medical advice.

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### VRM PTY LTD (ABN 14 137 264 496) - DISCLAIMER STATEMENT:

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