



## SAFETY DATA SHEET

### VRM XLR8® Rumen

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier	: XR
WHMIS Classification	: N/A
Product Use	: Ruminant additive
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	: 16 September 2019

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	%	CAS Number	LD50 of Ingredient	LC50 of Ingredient
Purified Water	94.75	7732-18-5	N/A	N/A
Syrup	5.0	68425-17-2	N/A	N/A
Fruit	0.20	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.

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## 5. FIRE FIGHTING MEASURES

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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

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## 6. ACCIDENTAL RELEASE MEASURES

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

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## 7. HANDLING AND STORAGE

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

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

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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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	: Liquid
Odour and Appearance	: Brown Colour / Fermented Fragrance
Odour Threshold	: Not Available
Specific Gravity (H <sub>2</sub> O=1)	: 1 (Water)
Vapour Density (Air=1)	: As water
Vapour Pressure (mmHg)	: As water
Evaporation Rate: (Butyl Acetate=1)	: As water
Boiling Point (degrees C)	: 100 Degrees Celsius
Freezing Point (degrees C)	: 0 Degrees Celsius
pH	: 3.1 to 3.8
Coefficient of Water/Oil Distribution	: Not Available
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. 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

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



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#### 14. TRANSPORT INFORMATION

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##### LAND TRANSPORT

Proper Shipping Name	: VRM XLR8® Rumen
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 XLR8® Rumen
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. For emergencies, please contact +61 403 466 820 (24 hours)

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