

1. PRODUCT & COMPANY IDENTIFICATION

Product Identification/Name	BioWet
Product Use	Agricultural Adjuvant / Natural Wetter/ Penetrant
Company Identification	Rainbow & Brown Limited 68A Tallyho Street, Rotorua, New Zealand PO Box 10049, Mail Centre, Rotorua, 3046
Telephone	+64 7 350 2009
Toll-Free Phone	0508 299 299
After Hours Emergency	+64 27 498 2574
National Poisons Centre	0800 764 766
CHEMCALL Emergency Response	0800 CHEMCALL (0800 243 622) 24,7 365 days a year
Website	www.rainbowbrown.co.nz
Date of Issue	29 July 2020
Latest Revision Date	12 June 2025
Expiry Date	12 June 2030

2. HAZARD IDENTIFICATION

This substance is NON-Hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration
Rapeseed Oil	120962-03-0	920g/L
Surfactant, Geronol VO/01		200g/L

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

4. FIRST-AID MEASURES

Eye Contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Remove contact lenses after first 5 minutes if present and easy to do, the continue rinsing. Get medical advice/assistance if irritation persists.
Skin	Remove contaminated clothing. Wash gently and thoroughly with plenty of water (use non-abrasive soap if necessary). Do not scrub the skin. Get medical advice/attention if irritation occurs. Wash contaminated clothing before re-use.
Ingestion	If swallowed, do NOT induce vomiting. Rinse mouth with water. Contact a Poisons Information Centre or call a doctor.
Inhalation	No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air, and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.
General	Call the National Poisons Centre (0800 POISON, 0800 764 766) for advice if you feel unwell or have been exposed and are concerned. Have product label or SDS at hand.

5. FIRE-FIGHTING MEASURES

Flash Point	> 260°C
Flammable Limits	None
Extinguishing Media	Dry chemical, foam or carbon dioxide
Fire & Explosion Hazards	Not a fire or explosion hazard
Fire Fighting Equipment	Use self-contained breathing apparatus
Fire Fighting Instructions	Vapours may be toxic. Self-contained breathing apparatus required. Do not allow contaminate runoff to enter drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Clear area of all unprotected personnel. Keep people upwind of fire. Use appropriate protective clothing and equipment.
Spills	In the event of spillage absorb with sand or chemical absorbent. Remove residue with detergent and hot water. Dispose of by normal water disposal methods conforming to local council code of practice.

7. HANDLING AND STORAGE

Label	Read the storage/handling precautions on the product label.
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Handling	• Use chemical splash goggles • No special respiratory protection required • Where contact is likely, wear chemical resistant gloves, overalls, socks and chemical resistant footwear. • General room ventilation is considered satisfactory. • Do not eat, drink or smoke while working with this product. Remove clothing that becomes contaminated and wash before reuse. Wash hands before breaks and after work.
Storage	Store in original container, tightly closed, away from foodstuffs, seeds, fertilisers and pesticides in a cool well-ventilated place. Do not store for prolonged periods in direct sunlight. Keep out of reach of children. Avoid storage below 0°C as this might cause the product to thicken. Wash protective clothing daily after work. Storage duration: 24 Months

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines	Ingredient	CAS Number	WES-TWA	WES-STEL	WES-CEILING	Notations
	N/A	N/A	N/A	N/A	N/A	N/A
	WorkSafe's 15th edition of WES and BEI values, published February 2025. The WES-TWA (Time-Weighted Average) exposure value is the average airborne concentration of a particular substance calculated over a normal 8 hour working day for a 5-day working week. The WES-STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "applies to substances with rapid effects, where even brief exceedances of the TWA limit should never occur.					
Engineering Controls	No special engineering controls or ventilation requirements are normally necessary for this product. However, make sure that the work environment remains clean, and that vapours and spray mists are minimised.					
Personal Protection						
Respiratory Protection	Usually, no respirator is necessary when using this product. However, if you have any doubts refer to standard AS/NZ 1715 for appropriate equipment.					
Skin Protection	Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers when using. Use impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types. Protective clothing be made from the following materials: rubber, PVC. Refer to Standard AS 2161, AS2919 and AS.NZ2210.					
Eye Protection	Protective glasses or goggles should be worn when this product is being used. Emergency eye wash facilities are also recommended in an area close to where this product is being used. Refer to standard AS.NZ1337.					

Dust	N/A
General advice	Eyebaths or eyewash stations and safety deluge showers should be provided near to where this product is being used. Do not eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work. Launder contaminated clothing separately from household laundry.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear yellow liquid
Odour	N/A
Odour Threshold	N/A
pH	N/A
Boiling Point	N/A
Melting Point	<0°C
Freezing Point	N/A
Flash Point	>260°C
Flammability	N/A
Upper/Lower Flammability or Exposure Limits	Not available
Vapour Pressure	N/A
Vapour Density	0.922g/L @ 20°C
Specific Gravity	N/A
Water Solubility	Milky emulsion
Partition Coefficient:	N/A
Auto-ignition Temperature	N/A
Decomposition Temperature	N/A
Kinematic Viscosity	N/A
Particle Characteristics	N/A

10. STABILITY & REACTIVITY

Stability	Stable under normal storage conditions
Reactivity	None
Conditions to Avoid	None
Incompatibility	None

Hazardous Decomposition Products	None
Hazardous Polymerisation	None

11. TOXOLOGICAL INFORMATION

ACUTE EFFECTS	
Oral Toxicity	Not classified as harmful, however ingestion of large quantities may cause nausea, vomiting or diarrhoea.
Inhalation Toxicity	No adverse effects expected from inhalation.
Eye Corrosion/Irritation	Mildly irritating to the eye.
Skin Corrosion/Irritation	Mildly irritating to the skin. Repeated or prolonged exposure with skin may cause drying.
CHRONIC EFFECTS	
Carcinogenicity	None known
Reproductive Toxicity	None known
Germ Cell Mutagenicity	None known
Aspiration	None known
STOT/SE	None known
STOT/RE	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic & terrestrial)	No data available
Persistence & Degradability	No data available
Ecotoxicity Information	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other Adverse Effects	No data available

13. DISPOSAL CONSIDERATIONS

Disposal Method	Triple rinse container and add rinsate to the spray tank where practical to do so.
Container Disposal	Triple rinse empty container and add rinsate to spray tank. Do not burn containers. Crush or puncture and bury in a suitably approved landfill.

14. TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good for transport in NZ; NZS 5433:2012

Dangerous Goods Classification	N/A
Shipping Name	N/A
Class	N/A
UN Number	N/A
Packaging group	N/A
Hazchem Code	2XE
Marine Pollutant	No

15. REGULATORY INFORMATION

All of the significant ingredients in this formulation are compliant with NICNAS regulations.

ACVM Act 1997 Registration No.	Exempt from ACVM registration
HSNO Approval No.	Exempt from HSNO Approval
Substance description	Contains a minimum of 85% Rapeseed Oil with surfactants.
Certified Handler	N/A
Qualified Handler	N/A
Tracking	N/A
Compliance Certificate	N/A
Quantity that must be secured	N/A
Location Certificate	N/A
Emergency Response Plan	N/A
Secondary Containment	N/A
Signage	N/A
Record-keeping	N/A

16. OTHER INFORMATION

Glossary

AEL	Acceptable Exposure Limit
DT₅₀	Time (days) for 50% loss
EC₅₀	Median effective concentration
EEL	Environmental Exposure Limit
EPA	Environment Protection Authority
GHS	Globally Harmonised System
HSNO	Hazardous Substances & New Organisms Act
Koc	Organic carbon partition coefficient
LFL	Lower Flammability Limit
LC₅₀	Lethal Concentration in air or water for 50% of test organisms
LD₅₀	Lethal Dose for 50% of test organisms
NOEL	No Observable Effect Level
OSHA	Occupational Safety & Health Administration (USA)
OSH or WorkSafe	WorkSafe New Zealand
PEL	Permissible Exposure Level
Pow	Octanol water partition coefficient (ratio of concentration of a chemical in octanol and water at equilibrium and at a specified temp.)
pH	Measure of acidity/alkalinity of a substance on a 1-14 scale (1=strong acid, 14 = strongly alkali)
STEL	Short Term Exposure Limit
TEL	Tolerable Exposure Limit
TLV	Threshold Limit Value – an exposure limit set by a competent authority
TWA	Time Weighted Average – average concentration of a chemical in air over a total exposure time (usually 8 hours)
UFL	Upper Flammability Limit
WES	Workplace Exposure Standard – set by WorkSafe NZ

The data in this Safety Data Sheet relates only to this product alone, and not to its use in combination with other substances or products. In such circumstances, assuming the combination is permitted (refer to product labels, and contact manufacturer if in doubt), be guided by the most hazardous of the substances involved and observe the more stringent of all hazard controls applicable to the products used.

Date of Safety Data Sheet: 12 June 2025

Further Information: Rainbow & Brown Limited
Toll-Free Phone (0508) 299 299