

1. PRODUCT & COMPANY IDENTIFICATION

Product Name	Fulvex 9500
Substance Identification (Haznote)	Brown fine powder. Fulvic Acid (CAS 479-66-3) 95% w/w.
Recommended Use	Soil conditioner and plant nutrition supplement for agricultural, horticultural, and home garden use. Promotes nutrient uptake and soil health.
Restrictions on Use	Use strictly in accordance with the product label.
Supplier Details	Rainbow & Brown Limited 68A Tallyho Street, Rotorua, New Zealand PO Box 10049, Mail Centre, Rotorua, 3046
Web Address	www.rainbowbrown.co.nz
Email Address	mail@rainbowbrown.co.nz
Telephone	(07) 350 2009 (office hours) Free Phone: 0508 299 299 (office hours) After Hours: +64 27 498 2574
Emergency Telephone	0800 CHEMCALL (0800 243 622) - 24 hours
National Poisons Centre	0800 POISON (0800 764 766) - 24 hours, 7 days
Date of Issue	17/06/2026
Expiry / Review Date	17/06/2031
Version	1.0

2. HAZARD IDENTIFICATION

Hazard Classification	This product is NOT classified as a hazardous substance in accordance with the Hazardous Substances (Classification) Notice 2020 (GHS 7th Revision). No HSNO hazard classifications apply.
Signal Word	None
GHS Pictograms	None
H-Codes / Hazard Statements	None
Other Hazards	Dust generation from this powder product may cause mechanical irritation to eyes and the respiratory tract. Good housekeeping and adequate ventilation are recommended.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Proportion	Classification
Fulvic Acid	479-66-3	>= 95% w/w (dry basis)	Not classified
Inert ingredients (details withheld as trade secret)	Various	To 100% w/w	Not applicable

No ingredients are present at or above the cut-off concentrations for hazard classification under the EPA Hazardous Substances (Safety Data Sheets) Notice 2017 Schedule Part B.

4. FIRST-AID MEASURES

If medical advice is needed, have the product container or label at hand. Call the National Poisons Centre (0800 POISON, 0800 764 766) or a Doctor.

Eye Contact	Flush eyes immediately with plenty of clean, gently flowing water for at least 15 minutes while holding the eyelids open. Remove contact lenses after the first 5 minutes if easy to do, then continue rinsing. Seek medical attention if irritation or redness persists.
Skin Contact	Remove contaminated clothing. Wash skin thoroughly with plenty of soap and water. No special treatment is required under normal circumstances. Seek medical attention if signs or symptoms of irritation occur.
Ingestion	Rinse mouth with water. If conscious and alert, give 2 to 4 glasses of water or milk to drink. Do not induce vomiting. Seek medical advice if symptoms develop. Call the National Poisons Centre (0800 764 766) or a doctor.
Inhalation	Remove person to fresh air immediately. If breathing is difficult, provide oxygen if available and trained to do so. Seek medical attention if discomfort, coughing, or respiratory irritation continues.
Workplace Facilities	Hand wash basin with soap. Eye wash station.
Advice to Doctor	Treat symptomatically and supportively. No specific antidote known. Note: persons with impaired kidney function may be more susceptible to the effects of this substance.
National Poisons Centre	0800 POISON (0800 764 766) - 24 hours
Most Important Symptoms and Effects (Acute and Delayed)	Eye Contact: Mechanical irritation from dust. Redness and tearing. Skin Contact: Possible mild irritation with prolonged contact. Ingestion: May cause mild gastrointestinal irritation. Not expected to cause serious harm at typical exposure levels. Inhalation: Dust may irritate the respiratory tract. Symptoms may include coughing or sneezing. Chronic Effects: No chronic effects identified under normal conditions of use.

5. FIRE-FIGHTING MEASURES

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Fire and Explosion Hazard	Not classified as a flammable or combustible material. Not considered a significant fire or explosion hazard under normal conditions.
HAZCHEM Code	Not applicable
ERP Guide No.	Not applicable
Appropriate Extinguishing Media	Use water spray, dry chemical powder, carbon dioxide (CO ₂), or foam as appropriate to the surrounding fire.
Unsuitable Extinguishing Media	No specific restrictions.
Combustion Products	Carbon dioxide (CO ₂), carbon monoxide (CO), and small amounts of organic vapours on thermal decomposition.
Fire-Fighting Instructions	Wear full protective clothing and self-contained breathing apparatus (SCBA) if significant quantities are involved in fire. Approach fire from upwind. Use water spray to cool containers exposed to fire. Prevent runoff from entering drains or waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid generating dust. Wear appropriate personal protective equipment as described in Section 8. Keep unprotected persons away. Ensure adequate ventilation.
Environmental Precautions	This product is not classified as environmentally hazardous. Avoid unnecessary release to drains, waterways, or soil. Collect and recover spilled material where possible.
Containment and Clean-Up	Sweep or vacuum up spilled powder carefully to avoid generating dust. Do not use compressed air for cleaning. Collect in a labelled, sealable container for disposal in accordance with Section 13. Wash spill area with water. Dispose of contaminated wash water appropriately.
Reference to Other Sections	See Section 8 for PPE requirements; Section 13 for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Minimise dust generation and accumulation. Avoid contact with eyes and respiratory tract. Wash hands and face thoroughly after handling. Do not eat, drink, or smoke when using this product. Keep container tightly closed when not in use.
Conditions for Safe Storage	Store in the original, tightly closed container in a cool, dry, well-ventilated area away from heat, moisture, and direct sunlight. Keep out of reach of children. Keep away from food, drink, and animal feedstuffs.
Handler Competence	No certified handler requirement. Standard workplace health and safety training is sufficient for safe handling of this product.

Incompatibilities	No specific incompatibilities identified under normal conditions. Keep away from strong oxidising agents, strong acids, and strong bases.
Fire Extinguishers	Not applicable - this product is not classified as a flammable liquid under HSNO.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Workplace Exposure Standards (WES)	No specific WES has been established for fulvic acid by WorkSafe New Zealand or the NZ EPA. As a guide for nuisance dusts, keep airborne concentrations below 10 mg/m ³ (inhalable) and 3 mg/m ³ (respirable) per WorkSafe NZ Workplace Exposure Standards (WKS-5).
Tolerable Exposure Limit (TEL)	None established.
Environmental Exposure Limit (EEL)	None established.
Engineering Controls	Handle in well-ventilated areas. Use local exhaust ventilation when handling in bulk quantities or where significant dust generation may occur.
Respiratory Protection	A P2-rated dust mask (compliant with AS/NZS 1716) is recommended when handling bulk quantities or where significant dust generation cannot be avoided.
Skin Protection	Protective gloves (compliant with AS/NZS 2161) are recommended for frequent handling.
Eye Protection	Safety glasses or splash goggles (compliant with AS/NZS 1337) are recommended when handling bulk quantities or where dust generation is possible.
General Hygiene	After each use, wash hands and face thoroughly with soap and water before eating, drinking, or smoking. Wash protective clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Physical State	Powder
Colour	Dark brown
Odour	Characteristic mild earthy odour
Odour Threshold	No data available
pH (1% aqueous solution at 20 degrees C)	5.0 - 7.0
Melting Point / Freezing Point	No data available

Initial Boiling Point and Boiling Range	Not applicable (solid)
Flash Point	Not applicable (not classified as flammable)
Evaporation Rate	Not applicable (solid)
Flammability (solid)	Not classified as a flammable solid. Thermal decomposition begins at approximately 204 degrees C.
Upper / Lower Flammability or Explosive Limits	No data available (not applicable)
Vapour Pressure	Not applicable (solid)
Vapour Density	Not applicable (solid)
Relative Density / Bulk Density	0.52 g/cm ³ (bulk density)
Water Solubility / Miscibility	Fully water soluble (100%)
Partition Coefficient: n-Octanol/Water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	Approximately 204 degrees C
Kinematic Viscosity	Not applicable (solid)
Particle Characteristics	Fine powder
Oxidising Properties	Not oxidising
Explosive Properties	Not explosive

10. STABILITY AND REACTIVITY

Reactivity	No specific reactivity hazard under normal conditions of storage, handling, and use.
Chemical Stability	Stable under normal conditions of storage and handling.
Possibility of Hazardous Reactions	Hazardous polymerisation will not occur. No hazardous reactions known under normal conditions.
Conditions to Avoid	Moisture, extreme heat above 204 degrees C, direct sunlight, and sources of ignition.
Incompatible Materials	Strong oxidising agents, strong acids, and strong bases.
Hazardous Decomposition Products	Thermal decomposition may produce carbon dioxide (CO ₂) and carbon monoxide (CO). No other hazardous decomposition products expected under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - Oral	Based on available data for fulvic acid, not expected to be acutely toxic by the oral route. No LD50 data available for this formulation. Not classified.
Acute Toxicity - Dermal	No data available. Not classified.
Acute Toxicity - Inhalation	No data available. Dust inhalation at high concentrations may cause respiratory tract irritation. Not classified for acute inhalation toxicity.
Skin Corrosion / Irritation	May cause mild skin irritation with prolonged or repeated contact. Not classified.
Serious Eye Damage / Eye Irritation	Dust may cause mechanical irritation to eyes. Mild eye irritation possible. Not classified.
Respiratory Sensitisation	No data available. Not classified.
Skin Sensitisation	No data available. Not classified.
Germ Cell Mutagenicity	No data available. Not classified.
Carcinogenicity	No data available. Not classified.
Reproductive Toxicity	No data available. Not classified.
Specific Target Organ Toxicity - Single Exposure	No data available. Not classified.
Specific Target Organ Toxicity - Repeated Exposure	No data available. Note: persons with impaired kidney function may be more susceptible to effects of repeated exposure. Not classified.
Aspiration Hazard	Not applicable (solid product).
Potential Health Effects	Eyes: Mechanical irritation from dust; redness and tearing may occur. Skin: Possible mild irritation with prolonged or repeated contact. Ingestion: May cause mild irritation of the digestive tract. Not expected to cause serious harm at typical exposure levels. Inhalation: Dust may irritate the respiratory tract; symptoms may include coughing. Chronic Effects: No chronic effects identified under normal conditions of use.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No specific ecotoxicity data available for this formulation. Fulvic acid is a naturally occurring organic substance found in soil and water environments and is not expected to pose significant ecotoxicological hazards at normal use concentrations. Not classified as hazardous to the aquatic environment.
Persistence and Degradability	Fulvic acid is a naturally occurring organic material. Expected to be biodegradable. No specific test data available.

Bioaccumulation Potential	Not expected to bioaccumulate. Partition coefficient not determined.
Mobility in Soil	Water soluble and mobile in aquatic environments. Naturally present in soil and water systems.
PBT and vPvB Assessment	This substance does not meet the criteria for PBT or vPvB classification. It is a naturally occurring organic substance.
Other Adverse Effects	None known.

13. DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of unused product in small quantities by dilution with water and application to soil or garden at normal recommended rates as a soil conditioner. For larger quantities, contact your local regional authority for guidance on disposal of organic soil amendments. Do not dispose of in drains or waterways.
Packaging Disposal	Triple-rinse empty containers with water before disposal. Dispose of in accordance with local regional authority requirements. Recycling is preferred where facilities exist. Do not burn containers.
Regulatory Note	This product is not classified as a hazardous waste under New Zealand legislation under normal conditions. Processing, use, or contamination may change waste management options.

14. TRANSPORT INFORMATION

UN Number	Not applicable - not a dangerous good.
UN Proper Shipping Name	Not applicable - not a dangerous good.
Transport Hazard Class	Not regulated as a Dangerous Good.
Packing Group	Not applicable.
Marine Pollutant	No
Land Transport (NZ)	Not a Dangerous Good under the Land Transport Rule: Dangerous Goods 2005 (New Zealand).
Sea Transport (IMDG)	Not regulated as a Dangerous Good under the International Maritime Dangerous Goods (IMDG) Code.
Air Transport (IATA)	Not regulated as a Dangerous Good under IATA Dangerous Goods Regulations.
Special Precautions	Protect from moisture during transport. Ensure containers are sealed.

15. REGULATORY INFORMATION

HSNO Classification	This product is NOT classified as a hazardous substance under the Hazardous Substances and New Organisms (HSNO) Act 1996 or the
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	Hazardous Substances (Classification) Notice 2020. No HSNO approval is required.
EPA Approval No.	Not applicable - not a hazardous substance.
Group Standard	Not applicable - not a hazardous substance.
ACVM Registration	Not applicable. This product is not an agricultural compound or veterinary medicine within the meaning of the Agricultural Compounds and Veterinary Medicines (ACVM) Act 1997.
Certified Handler	Not required. This product is not a hazardous substance under HSNO.
Tracking	Not required.
Location Certificate	Not required.
PCBU Inventory (r 3.1)	Not required - not a hazardous substance.
Training (r 4.5 and 4.6)	Standard workplace health and safety training is required under the Health and Safety at Work Act 2015.
Signage	Not required - product is not classified as a hazardous substance under HSNO.
Emergency Response Plan	Not required - product is not classified as a hazardous substance under HSNO.
Secondary Containment	Not required - product is not classified as a hazardous substance under HSNO.

16. OTHER INFORMATION

Date of Issue	17/06/2026
Version	1.0
Previous Version	N/A (new product)
Reason for Revision	New product SDS - first issue.
Next Scheduled Review	17/06/2031
Prepared by	Rainbow & Brown Limited
Sources of Data	Supplier's material safety data sheet (internal reference only); peer-reviewed literature on fulvic acid; NZ EPA regulatory databases.
Glossary	
ACVM Act	Agricultural Compounds and Veterinary Medicines Act 1997.

GHS	Globally Harmonised System of Classification and Labelling of Chemicals (7th Revised Edition).
HSNO Act	Hazardous Substances and New Organisms Act 1996.
HSNO Classification Notice 2020	Hazardous Substances (Classification) Notice 2020.
IATA	International Air Transport Association.
IMDG	International Maritime Dangerous Goods Code.
NPC	National Poisons Centre.
NZIoC	New Zealand Inventory of Chemicals.
PCBU	Person Conducting a Business or Undertaking.
PPE	Personal Protective Equipment.
SDS	Safety Data Sheet.
WES	Workplace Exposure Standard - set by WorkSafe NZ.

Rainbow & Brown Limited Safety Data Sheet Disclaimer

This Safety Data Sheet has been prepared by Rainbow & Brown Limited and summarises information on this product and safe handling requirements. It is intended for use only by trained and qualified persons.

Users must ensure they are working with the most current version of this SDS and should familiarise themselves with both this document and the product label before use.

While Rainbow & Brown Limited has exercised due care to include accurate and up-to-date information, no warranty is provided as to its accuracy or completeness. The information is based on data available at the time of preparation.

To the fullest extent permitted by law, Rainbow & Brown Limited accepts no liability for any loss, injury, or damage (including consequential loss) arising from reliance on the information in this SDS or from improper use of this product.

END OF SAFETY DATA SHEET