



Safety Data Sheet (SDS)

Product: Wood Vinegar (Pyroligneous Acid)

Company: Southland Carbon

Address: "The Brickworks", 1257 Waipahi Highway, Pukerau 9772, New Zealand

Revision: 1.0 | Issue Date: 6 March 2026

1. Identification

Product Name: Wood Vinegar (Pyroligneous Acid)

Recommended Use: Agricultural and horticultural applications

Supplier: Southland Carbon

Emergency Contact: National Poisons Centre NZ – 0800 POISON (0800 764 766)

2. Hazard Identification

NZ EPA HSNO Classification: Not classified as hazardous under HSNO when used as directed.

GHS Classification: Not classified as hazardous.

Signal Word: None

Hazard Pictograms: None required

Precautionary Statements: Avoid contact with eyes and prolonged skin exposure.

3. Composition / Information on Ingredients

Substance: Pyroligneous Acid

CAS Number: 8030-97-5

Concentration: ~100%

Description: Condensed liquid derived from pyrolysis of woody biomass.

4. First Aid Measures

Eye Contact: Rinse cautiously with water for at least 15 minutes.

Skin Contact: Wash with soap and water.

Inhalation: Move to fresh air.

Ingestion: Rinse mouth. Seek medical advice if unwell.

5. Fire Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide.

Specific Hazards: Product not classified as flammable.

6. Accidental Release Measures

Personal Precautions: Wear gloves and eye protection.

Environmental Precautions: Avoid uncontrolled discharge to waterways.
Cleanup: Absorb with inert material or dilute with water.

7. Handling and Storage

Handling: Avoid eye and skin contact. Use with adequate ventilation.
Storage: Store sealed in cool, dry, ventilated area away from strong alkalis.

8. Exposure Controls / Personal Protection

Engineering Controls: General ventilation recommended.
PPE: Safety glasses, gloves, protective clothing when handling large volumes.

9. Physical and Chemical Properties

Appearance: Dark amber liquid
Odour: Smoky wood
pH: 2.5 – 3
Boiling Point: ~100°C
Solubility: Fully soluble in water
Specific Gravity: ~1.0

10. Stability and Reactivity

Stable under recommended storage conditions.
Incompatible Materials: Strong alkalis.

11. Toxicological Information

Low toxicity expected when used as directed.
May cause mild irritation to eyes or skin.

12. Ecological Information

Biodegradable plant-derived product.
Use diluted as directed in agricultural applications.

13. Disposal Considerations

Dispose according to local regulations. Small quantities may be diluted with water.

14. Transport Information

Not classified as Dangerous Goods under:
NZS 5433
Australian ADG Code
IMDG Code

15. Regulatory Information

Prepared in accordance with:
NZ EPA Hazardous Substances and New Organisms (HSNO) requirements
Safe Work Australia SDS Code of Practice

16. Other Information

Prepared for Southland Carbon. Information believed to be accurate but provided for guidance only.