

assessed as NOP non-synthetic (natural)  
using NOP guidance doc 5033-1

APPROVED BY NCO

## SAFETY DATA SHEET

### PyroAg - PYROLIGNEOUS ACID

**Date:** 10/05/2024

**Release Edition:** 2.3

---

#### 1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

---

**Company:** PyroAg Pty Ltd  
**Address:** 11 Markwell Road, Bulahdelah NSW 2423  
**Phone:** 1800 797 624  
**Email:** info@pyroag.com  
**Website:** www.pyroag.com

**Emergency Contacts:** 1. Australian Emergency Services Phone: (24hrs) 000  
2. Australian Poisons Information Centre Phone: (24hrs) 131 126

**Product Brand:** **PyroAg**  
**Product Name:** Pyroligneous Acid (Natural)  
**Other Names:** Wood Vinegar  
**Recommended Use:** Agricultural & Horticultural Applications

---

#### 2. HAZARDS IDENTIFICATION

---

**Hazard Classification:** 1. Not classified as a hazardous substance according to criteria of the NOHSC  
2. Not a Scheduled Poison on the TGA Poisons Act  
3. Not classed as a dangerous good under the ADG code

---

#### 3. COMPOSITION INFORMATION

---

It is a complex natural liquid manufactured by the process of pyrolysis from natural agricultural crop and raw forestry timber.

Main Ingredient	CAS	Concentration
Pyroligneous Acid	8030-97-5	100%
Main component - Acetic Acid	64-19-7	<8%

---

#### 4. FIRST AID MEASURES

---

<b>Eye contact</b>	Flush eyes with copious amounts of water for at least 15 minutes. Seek medical attention.
<b>Skin contact</b>	Wash contacted area with soap and water
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	DO NOT induce vomiting, wash mouth with copious amounts of water. Seek medical attention

---

#### 5. FIREFIGHTING MEASURES

---

No flash point was observed using ASTM D93 - Procedure A.  
Not classified as a dangerous good  
Use water spray or fog, foam, dry chemical, or carbon dioxide

---

#### 6. ACCIDENTAL RELEASE

---

Wear appropriate protective equipment and ensure area is adequately ventilated. Clean up methods depend on environment; absorption or dilution with plenty of water.

---

#### 7. HANDLING AND STORAGE

---

Acidic in nature. Handle with care and avoid contact with eyes and skin. Use in a well ventilated area and avoid exposure by wearing appropriate protective equipment. Practice good personal hygiene. Keep containers tightly closed, stored in a cool, dry, well ventilated area away from heat and incompatibles.  
Keep out of reach of Children.

---

#### 8. EXPOSURE CONTROLS AND PPE

---

<b>National exposure standards:</b>	Acetic Acid (100%): [TWA] 10ppm, 25mg/m3 [STEL] 15ppm, 37mg/m3
<b>Engineering controls:</b>	Adequate ventilation is required to keep concentration below exposure limits.
<b>Personal protective equipment:</b>	Safety glasses, gloves, clothing to cover skin

---

#### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

---

<b>Appearance</b>	Amber liquid
<b>Odour</b>	Smokey wood
<b>pH</b>	Between 2.3 - 2.6

---

<b>Boiling point</b>	Approx 100oC
<b>Solubility</b>	Soluble in water
<b>Specific Gravity</b>	1.08
<b>Flash point</b>	No flash point was observed using ASTM D93 - Procedure A.

---

#### 10. STABILITY AND REACTIVITY

---

<b>Chemical stability</b>	Stable under recommended conditions for use and storage.
<b>Incompatible materials</b>	Strong alkalis

---

#### 11. TOXICOLOGICAL INFORMATION

---

<b>Toxicology info</b>	ACETIC ACID Toxicity Data Oral LD50 (rat): 3300 mg/kg; Dermal LD50 (rabbit): 1100 mg/kg. Target Organs: Eyes, skin, respiratory system and gastro-intestinal
------------------------	--

<b>Health Hazard</b>	No adverse health effects expected if the product is handled in accordance with this SDS and product label. Contact to eyes and skin can cause irritation.
----------------------	--

<b>Carcinogenicity</b>	Not classified under NOHSC
------------------------	----------------------------

---

#### 12. ECOLOGICAL INFORMATION

---

Safe when used as directed, always use diluted.

---

#### 13. DISPOSAL

---

Dispose in accordance with all applicable regulations.

---

#### 14. TRANSPORT INFORMATION

---

Not classified as a dangerous good according to the Australian Dangerous Goods (ADG) Code.

---

#### 15. REGULATORY INFORMATION

---

Not classed as hazardous substance AICS  
No specific requirements according to NOHSC  
Use as directed to comply with AgVet code

---

## Section 16: OTHER INFORMATION

---

**Mixing:** Always use the product diluted with water as per product label. When mixing, firstly fill water tank halfway before adding product during stirring. Can be used with most other farm chemicals when diluted in tank first - always test compatibility on small sample. Do not mix directly with other strong alkaline chemicals.

### References:

1. APVMA - AgVet Chemical Code Act 1994
2. NICNAS - National Industrial Chemicals Scheme
3. TGA - Therapeutic Goods Administration - SUSMP6 Poisons Standard 2015:
4. National Occupational Health and Safety Commission (NOHSC)
5. Safework Australia classifying hazardous chemicals
6. Worksafe Australia exposure to Airborne Contaminants
7. ADG - Australian Code for Dangerous Goods 7.3
8. OCS database - Toxicology information of chemicals
9. NPI - National Pollution Inventory reporting standards
10. Safework Australia - Hazardous Substances in the workplace code
11. GRAS Register for Oral Nutritional Compounds (NZ Food Safety)
12. U.S. Food and Drug Administration
13. U.S. Environmental Protection Agency