

# BIO ENERGY SOLUTIONS

## ReSET™ WOOD VINEGAR



### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**STATEMENT OF HAZARDOUS NATURE:** Not classified as hazardous according to criteria of the National Occupational Health and Safety Commission (NOHSC)  
Not classed as a dangerous good under the Dangerous Goods Act

<b>SUPPLIER NAME:</b> Bio Energy Junction 1 LLC	<b>Manufacturer Address:</b> 600 Half Moon Road, Columbia Falls, MT 59912
<b>TELEPHONE:</b> 1 406 892 1332	<b>EMERGENCY:</b>
<b>FAX:</b> 1 406 892 1322	<b>WEBSITE:</b> <a href="http://www.bioenergy-solutions.com">www.bioenergy-solutions.com</a>
<b>PRODUCT NAME:</b> ReSET™ Wood Vinegar	<b>TRADE NAMES:</b> Pyrolygneous Acid (Natural)
<b>PRODUCT DESCRIPTION:</b> Plant-derived product from 100% sustainable woody biomass, produced through slow pyrolysis in a low oxygen environment.	
<b>RECOMMENDED USE:</b> Soil remediation and soil pH management.	

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Constituent:	CAS Number:	Proportion:
Pyrolygneous Acid	8030-97-5 DLS / CAS Number : 8030-97-5	100%

### 3. FIRST AID MEASURES

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

### 4. FIRE FIGHTING MEASURES

<b>Explosion Hazards</b>	NA
<b>Fire Hazards</b>	Not classified as a dangerous good.
<b>Flash Point</b>	No flash point observed.
<b>Fire Fighting Measures</b>	Use water spray or fog, foam, dry chemical, or carbon dioxide.

### 5. ACCIDENTAL RELEASE MEASURES

<b>Occupational Release</b>	Wear appropriate protective equipment and ensure area is adequately ventilated. Clean up methods depend on environment; absorption or dilution with plenty of water.
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### 6. STORAGE AND HANDLING

<b>Storage</b>	Keep containers tightly closed, stored in a cool, dry, well ventilated area away from heat and incompatibles. Keep out of reach of children.
<b>Handling</b>	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. Limit all unnecessary personal contact.

### 7. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>National Exposure Standard</b>	Acetic Acid (100%): [TWA] 10 ppm, 25 mg/m <sup>3</sup> [STEL] 15 ppm, 37 mg/m <sup>3</sup>
<b>Engineering Controls</b>	Adequate ventilation is required to keep concentration below exposure limits.
<b>PPE</b>	Safety glasses, gloves, clothing to cover skin.

### 8. PHYSICAL AND CHEMICAL PROPERTIES

<b>Colour</b>	Dark Red to Grey	<b>Solubility</b>	Soluble in water
<b>Physical Description</b>	Liquid	<b>Boiling point</b>	Approx. 100 deg C
<b>Odour</b>	Smoke-Bitter	<b>Specific Gravity</b>	1.0

pH	3.0-4.0	Flash Point	n/a
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## 9. STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended conditions for use and storage.
Incompatible Materials:	Strong alkalis.

## 10. TOXICOLOGICAL INFORMATION

Toxicological Info	ACETIC ACID Toxicity Data Oral LD50 (rat): 3300 mg/kg; Dermal LD50 (rabbit): 1100 mg/kg. Target Organs: Eyes, skin, respiratory system and gastrointestinal.
Health Hazard	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.
Carcinogenicity	Not classified under OHSC.

## 11. ECOLOGICAL INFORMATION

Environment	Safe when used as directed, always use diluted.
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## 12. DISPOSAL CONSIDERATIONS

Waste Disposal	No special disposal requirements. Dispose of product according to relevant local, provincial, and federal government regulations.
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## 13. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Transportation of Dangerous Goods Act.
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## 14. REGULATORY INFORMATION

OHSC Status	No specific requirement according to the Occupational Health and Safety Commission (OHSC)
DSL Status	DSL as an "Existing Substance", i.e. already in commerce in Canada in 1984-1986

### Domestic Substance Listing (DSL)

This substance was added to the DSL as an "Existing Substance", i.e. already in commerce in Canada in 1984-1986 and not subject to the New Substance Notification Regulations.

[Canada Gazette Part II, Vol. 128, No. 9, May 04 1994, SOR/94-311](#)

### Notes:

ReSET™ is produced at the Columbia Falls BioEnergy-Junction. ReSET™ is a by-product of the biochar production process. The raw biochar is the base product in our OMRI Certified. REGNiCHAR™. All inputs and products are 100% organic.