

# Material Safety Data Sheet

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Infosafe No™ LPZJV

Issue Date : November  
2010

ISSUED by BIONUTRI

Product Name : **LIQUID FULVIC**

Not classified as hazardous

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** LIQUID FULVIC  
**Product Code** Liquid Fulvic  
**Company Name** BioNutrient Solutions Pty Ltd  
**Address** Shop 2, Waggamba Square, Lagoon Street  
Goondiwindi  
QLD 4390 Australia  
**Telephone/Fax  
Number** Tel: (07) 4671 5811  
Fax: (07) 4671 0295  
**Recommended Use** Fertiliser, plant growth stimulant

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Not classified as hazardous  
NON-HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.  
**Risk Phrase(s)** Not classified as hazardous  
**Safety Phrase(s)** S20/21 When using, do not eat, drink or smoke.  
S24/25 Avoid contact with skin and eyes.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Potassium fulvic acid		13 %		
	Ingredient determined not to be hazardous	Not required	Balance		

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.  
**Ingestion** Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.  
**Skin** Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.  
**Eye** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.  
**First Aid Facilities** Eyewash and normal washroom facilities.  
**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use carbon dioxide, dry chemical, foam, water fog or water mist.

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**Hazards from Combustion Products** Non combustible material.

**Specific Hazards** This product is non combustible. However heating can cause expansion or decomposition leading to violent rupture of containers.

**Precautions in connection with Fire** Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for Safe Storage** Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No exposure standards have been established for the mixture by the National Occupational Health & Safety Commission (NOHSC).

**Biological Limit Values** No biological limits allocated.

**Engineering Controls** Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Eye Protection** Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection** Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

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**Body Protection** Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance** Dark yellow - brown liquid

**Odour** Not available

**Freezing Point** Not available

**Boiling Point** Not available

**Solubility in Water** Fully miscible

**Specific Gravity** 1.15

**pH Value** 5-6

**Vapour Pressure** Not available

**Vapour Density** Not available

**(Air=1)**

**Flash Point** Not applicable

**Flammability** Non combustible

**Flammable Limits -** Not applicable

**Lower**

**Flammable Limits -** Not applicable

**Upper**

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability** Stable under normal conditions of storage and handling.

**Conditions to Avoid** Extremes of temperature and direct sunlight.

**Incompatible** Not available.

**Materials**

**Hazardous** Thermal decomposition may result in the release of toxic and/or irritating fumes

**Decomposition**

**Products**

**Hazardous** Will not occur

**Polymerization**

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## 11. TOXICOLOGICAL INFORMATION

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**Toxicology** No toxicity data available for this material.

**Information**

**Inhalation** Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

**Ingestion** Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Skin** May be irritating to skin. The symptoms may include redness, itching and swelling.

**Eye** May be irritating to eyes. The symptoms may include redness, itching and tearing.

**Chronic Effects** Not available

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No ecological data are available for this material.  
**Persistence / Degradability** Not available  
**Mobility** Not available  
**Environ. Protection** Prevent this material entering waterways, drains and sewers.

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## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Dispose of waste according to applicable local and national regulations.

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## 14. TRANSPORT INFORMATION

**Transport Information** Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

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## 15. REGULATORY INFORMATION

**Regulatory Information** Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.  
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).  
**Poisons Schedule** Not Scheduled

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## 16. OTHER INFORMATION

**Date of preparation or last revision of MSDS** MSDS Created: November 2010

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