

Material Safety Data Sheet

CS: 1.4.93

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Infosafe No™ LPZ5E

Issue Date : June 2010

ISSUED by BIONUTRI

Product Name : **CALPAC N**

Not classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name CALPAC N
Product Code CPN
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 Foliar fertiliser

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) S2 Keep out of reach of children.
S24/25 Avoid contact with skin and eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Ingredients determined not to be hazardous.		100 %

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. Immediately wash mouth out with water. If symptoms persist seek medical attention.

Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. 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 seek medical attention.

First Aid Facilities Eye wash fountain and normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

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

Hazards from Combustion Products Under fire conditions this product may decompose and emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.

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Specific Hazards Following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes and products of combustion. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Stop the leak if safe to do so. Increase ventilation. If possible contain the spill. Collect the material and place into suitable labelled containers for subsequent recycling or disposal. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Avoid breathing in vapours, mist or fumes. Keep containers closed when not in use. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Conditions for Safe Storage Store in a cool dry well-ventilated area. Store away from oxidising agents and bases/acids. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Store in original packages as approved by manufacturer.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No value is assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC) Australia. As with all chemicals, exposure should be kept to the lowest possible levels.

Biological Limit Values No biological limit allocated.

Engineering Controls Provide sufficient ventilation to keep airborne levels as low as possible. Where vapours or mists are generated the use of a local exhaust ventilation system is recommended.

Respiratory Protection If engineering controls are not effective then an approved respirator with a replaceable vapour/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, full face shield or goggles as appropriate should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material such as PVC or nitrile. 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 -

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Body Protection Selection, use and maintenance.
Suitable protective workwear should be worn, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark brown liquid
Odour	Mild ammonia odour
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Soluble
Specific Gravity	1.3
pH Value	9.3
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Flash Point	Not applicable
Flammability	Non flammable liquid.
Auto-Ignition Temperature	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	Extremes of temperature.
Incompatible Materials	Not available
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data available for this material.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may cause nausea, vomiting, and irritation to the mouth, throat and stomach.
Skin	Skin contact may cause redness, itching and swelling.
Eye	On eye contact this product may cause tearing, stinging, blurred vision, and redness.
Chronic Effects	Not available

12. ECOLOGICAL INFORMATION

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Product Name : **CALPAC N**

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Ecotoxicity Not available

Persistence /
Degradability Not available

Mobility Not available

Environ. Protection Prevent substance from entering the environment.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information Australia:
This material is not classified as a Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

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 Drugs and Poisons (SUSDP).

Poisons Schedule Not Scheduled

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Creation: June 2010

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