



MATERIAL SAFETY DATA SHEET

trifixN

DATE OF FIRST ISSUE: 4th of September 2011

DATE OF LAST REVISION: 9th September 2015

Section 1 – Identification of the Material and Supplier

Product (Material) Name: trifixN

Other Names: trifixN Foliar, trifixN Organic and trifixN Liquid Inject

Recommended Use: Forestry / Gardening / Landscaping / Horticultural / Agricultural / Rehabilitation Soil Improver.

Supplier Name: thinkbio Pty Ltd

Supplier Address: P.O. Box 828, COTTON TREE QLD 4558, AUSTRALIA

Supplier Tel: 0400 885 199

Supplier Emergency Tel (24 Hours): 0400 885 199

Emergency Services Tel (24 Hours): 000

Section 2 – Hazards Identification

Hazard Classification: NON HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

Risk Phrases:

- Harmful by inhalation and in contact with skin.
- Irritating to eyes.

Safety Phrases:

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- After contact with skin, wash immediately with plenty of water.
- Wear suitable protective clothing, gloves and eye/face protection.
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).



Section 3 – Composition/ Information on Ingredients

Chemical Identity of the Pure Substance: Not Applicable.

Common Names/ Synonym's: Plant Microbe Inoculant.

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
Proprietary Ingredients	None	> 70%	not set	not set
Other non hazardous ingredients	None	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The ASCC TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 – First Aid Measures

Facilities should be available where this product is used to carry out first aid procedures. If poisoning occurs, contact a doctor or Poisons Information Centre. In Australia call 13 11 26.

Description of Necessary First Aid Measures

Ingestion: Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control centre. Never give anything by mouth to an unconscious person. Call a poison information centre or doctor for treatment advice.

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison information centre or doctor for treatment advice.

Skin: Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison information centre or doctor for treatment advice.

Inhalation: Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary.

Specific Medical Attention and Treatment

Treat symptomatically.

thinkbio Pty Ltd

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Section 5 – Fire Fighting Measures

Suitable Extinguishing Media: Water spray, Foam, Dry chemical, Carbon dioxide (CO₂).

Extinguishing media which shall not be used for safety reasons: None.

Specific hazards during fire fighting: Hazardous decomposition products - Carbon monoxide, Carbon dioxide (CO₂), silicon oxides.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.

Further information: Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Small fires: If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.

Section 6 – Accidental Release Measures

Personal precautions: Review sections 5 and 7 before proceeding with clean-up. Use personal protective equipment.

Environmental precautions: Prevent material from entering sewers, waterways, or low areas.

Methods for cleaning up: Soak up with sawdust, sand, oil dry or other absorbent material. Dispose of in an approved container.

Additional advice: Dispose of in accordance with local regulations.



Section 7 – Handling and Storage

Handling

Advice on safe handling: Avoid breathing vapours or mist. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

Storage

Requirements for storage areas and containers: Store in original container. Store in a cool, dry area. Storage in the fridge is preferred but not the freezer. Keep away from direct sunlight. Keep out of the reach of children.

Section 8 – Exposure Controls / Personal Protection

Occupational Exposure Limits

No information available.

Engineering measures

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection: None specified.

Hand protection: Opening the container and preparing spray material:

Material: Polyvinyl chloride - PVC

Glove length: Long sleeve gloves

Eye protection: Opening the container and preparing spray:

Face-shield, Goggles

Skin and body protection: None specified.

Hygiene measures: Avoid contact with skin and eyes. Wash hands and face before breaks and immediately after handling the product. Wash contaminated clothing before re-use.

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Section 9 – Physical and Chemical Properties

Form: Powder

Colour: Light Brown

pH: Not applicable

Boiling point/boiling range: Not applicable

Flash point: Not applicable

Density: Not applicable

Water solubility: Soluble

Section 10 – Stability and Reactivity

Materials to avoid: None reasonably foreseeable.

Hazardous decomposition products: No information available.

Hazardous reactions: Hazardous polymerisation does not occur. Stable at normal temperatures and storage conditions.

Section 11 – Toxicological Information

Acute oral toxicity: Not applicable

Acute inhalation toxicity: Not applicable

Acute dermal toxicity: Not applicable

Eye irritation: Not applicable

Sensitisation: Not applicable



Section 12 – Ecological Information

Ecotoxicity effects

Toxicity to fish: LC50/*Oncorhynchus mykiss* (Rainbow trout): Not applicable

Toxicity to algae: EC50/*Desmodesmus subspicatus* (Green algae): Not applicable

Aquatic toxicity: EC50/*Daphnia magna* (Water flea): Not applicable

Further information on ecology

Additional ecological information: See product label for additional application instructions relating to environmental precautions.

Section 13 – Disposal Considerations

Product: Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging: Triple or preferably pressure rinse containers before disposal. Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling, replace cap and return clean containers to recycler or designated collection point. Empty containers can be landfilled, when in accordance with the local regulations. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Section 14 – Transport Information

UN Number: None.

Proper Shipping Name: None.

Class and Subsidiary Risk(s): None.

Packing Group: None.

Hazchem Code: None.

No other special storage or transport requirements necessary.



Section 15 – Regulatory Information

Labelling

R-phrases(s): R20/21 Harmful by inhalation and in contact with skin.
R36 Irritating to eyes.

S-phrases(s): S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Further information: Not classified as hazardous according to criteria of NOHSC.

National regulatory information

SUSDP: No poison schedule number allocated

Section 16 – Other Information

Date of Issue: 4^h September 2011
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Specific Query Contact

Name: Kyle Merritt
Position: CEO
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End of MSDS