

MATERIAL SAFETY DATA SHEET

Nutri-Stim Triacontanol™

Date of Issue: 14/08/2014

CLASSIFICATION OF MATERIAL

Not Classified as Hazardous according to Safe Work Australia (NOHSC)
Not a Dangerous Good according to the Australian Dangerous Goods Code

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Nutri-Stim Triacontanol™
UN Proper Shipping Name:	N/A
Recommended Use:	Fertiliser
Company Name:	Nutri-Tech Solutions Pty Ltd
Address:	7 Harvest Road, Yandina, Qld 4561, Australia
ABN:	83 010 472 590
Telephone:	+61 5472 9900
Fax:	+61 5472 9999
Emergency Telephone Numbers:	Police, Ambulance, Fire: 000 (Mobile 112) Poisons Information Centre (Australia) 13 11 26

2. HAZARDS IDENTIFICATION

Hazard Classification:	Non-Hazardous Not classified as Hazardous according to the criteria of NOHSC. Not classified as a Dangerous Good according to the Australian Dangerous Goods Code. Not classified as a scheduled poison according to NDPSC.
Risk Phrase(s):	R36/38 –Irritating to eyes and skin.
Safety Phrase(s):	S2– Keep out of reach of children. S37/39 – Wear suitable gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Proportion
Triacontanol	593-50-0	1-10%
Other ingredients determined to be non-hazardous.	N/A	To 100%

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4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Immediately rinse mouth with water (only if patient is conscious). Milk or water can be given to dilute if patient is conscious. Consult a physician or call the poisons information centre.
Eye:	Immediately rinse with plenty of water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water, if irritation persists contact a physician.
Skin:	Remove contaminated clothing and wash with soap and water. If symptoms such as redness or irritation occur, consult a physician. Launder clothes before re-use.
Inhalation:	Seek medical advice if breathing difficulty develops.
First Aid Facilities:	Eye wash station and normal washing facilities.
Advice to Doctor:	Treat symptomatically. Activated charcoal is not useful in this case. Gastric lavage may be used.
General Information:	N/A

5. FIRE FIGHTING MEASURES

Flammability:	Non-flammable and non-combustible.
Extinguishing media:	Use extinguishing media suitable for surrounding fire situations.
Hazchem Code:	N/A
Precautions in connection with fire	N/A

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:	
Minor spill:	Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Place in a suitable labelled container for waste disposal.
Major spill:	Clear area of personnel and move upwind. Alert fire brigade of spill. Wear full body protective clothing and breathing apparatus. Prevent spillage entering drains or watercourse. Contain spill with sand, earth or vermiculite. Collect and recover product into containers for disposal. Wash area with water (prevent run-off from entering drains). If contamination of drains or waterways occurs, advise emergency services.

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7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid contact with skin and eyes.
Storage:	Keep out of reach of children. Store in a cool, dry area in original sealed container. Do not store in prolonged sunlight. Do not freeze. Do not store in aluminium, galvanised or tin-plated containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	None established.
Biological Limit Values:	None established.
Engineering Controls:	None established.
Personal Protective Equipment:	Face shield/safety glasses, impervious gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White emulsion
Odour:	Bland
pH:	8-9
Flammability:	Not combustible
Solubility in Water:	Dispersible
Lower Explosion Limit:	No data available
Upper Explosion Limit:	No data available
Specific Gravity:	1.00
Conductivity:	No data available
Melting Point:	No data available
Boiling Point:	105 °C
Vapour Pressure:	No data available
Evaporation Rate:	No data available

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use.
Hazardous Reactions & Materials to Avoid:	Hazardous polymerization will not occur. Avoid heat, flames, acids, oxidisers.
Hazardous Decomposition Products:	Limited evolution of carbon and nitrogen oxides if burned.

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11. TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS	
Ingestion:	May cause irritation to mouth, throat, oesophagus.
Eye:	Irritating to eyes and capable of causing damage with prolonged contact.
Skin:	May cause irritation after prolonged or repeated exposure and may produce contact dermatitis.
Inhalation:	Not normally a hazard due to non-volatile nature of the product. Vapour and mist can cause respiratory irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Persistence/Degradability:	No data available
Mobility:	No data available
Environmental Protection:	No data available

13. DISPOSAL CONSIDERATIONS

Disposal Method:	Dispose of in accordance with local government guidelines. Dispose of small amounts by dilution and discharge to local sewerage treatment system. Disposal of large amounts may require that the product is passed onto a chemical waste disposal authority or contractor. Product should never be disposed of into natural watercourses or storm water systems or directly to the environment without appropriate treatment.
Container:	Recycle containers if possible (replace cap and return cleaned container to recyclers or collection point).

14. TRANSPORT INFORMATION

ADG Code:	This product is not labelled as a dangerous good and therefore does not have any special transport conditions.
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15. REGULATORY INFORMATION

SUSMP Poisons Schedule:	Not scheduled.
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16. OTHER INFORMATION

Acronyms	
ADG Code:	Australian Code for the Transport of Dangerous Foods by Road and Rail
AICS:	Australian Inventory of Chemical Substances
CAS Number:	Chemical Abstracts Service Registry
Hazchem Code:	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC:	International Agency for Research on Cancer
NOHSC:	National Occupational Health and Safety Commission
NDPSC:	National Drugs and Poisons Scheduling Committee
NOS:	Not Otherwise Specified
NTP:	National Toxicology Program (USA)
UN Number:	United Nations Number
SUSMP:	Standard for the Uniform Scheduling of Medicines and Poisons
STEL:	Short Term Exposure Limit
TWA:	Time Weighted Average (the average airborne concentration when calculated over a normal eight hour working day for five days a week)
LD₅₀:	Lethal Dose for 50% Mortality
SCBA:	Self Contained Breathing Apparatus

Disclaimer

The data and recommendations presented herein are based upon research of others and are believed to be accurate. However, no warranty is expressed or implied regarding this data or the results to be obtained from use thereof. Nutri-Tech Solutions P/L, assumes no responsibility for the injury to customers or third party proximity caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet.

END OF MSDS