

SAFETY DATA SHEET

Triple Ten™ Range

Date of Issue: 24/07/2023

CLASSIFICATION OF MATERIAL

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

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Names:	Berry-Tech Triple Ten™, Citrus-Tech Triple Ten™, Flora-Tech Triple Ten™, Fruit-Tech Triple Ten™, Herb-Tech Triple Ten™, Native-Tech Triple Ten™, Nut-Tech Triple Ten™, Pasture-Tech Triple Ten™, Triple Ten™, Trop-Tech Triple Ten™, Turf-Tech Triple Ten™, Veg-Tech Triple Ten™, Vine-Tech Triple Ten™.
UN Proper Shipping Name:	N/A
Recommended Use:	Fertiliser
Company Name:	Nutri-Tech Solutions Pty Ltd
Address:	7 Harvest Road, Yandina, Qld 4561, Australia
Email:	info@nutri-tech.com.au
ABN:	83 010 472 590
Telephone:	+61 5472 9900
Emergency Telephone Numbers:	Police, Ambulance, Fire: 000 (Mobile 112) Poisons Information Centre (Australia) 13 11 26 Nutri-Tech Solutions Mon-Fri 8:00am-4pm AEST 07 5472 9900 (Australia)

2. HAZARDS IDENTIFICATION

Hazard Classification:	Non-Hazardous
	Not classified as Hazardous according to the criteria of GHS.
	Not classified as a Dangerous Good according to the Australian Dangerous Goods Code.
	Not classified as a scheduled poison according to NDPSC.
Hazard Statement(s):	May be irritating to eyes and skin.
Precautionary Statement(s):	Keep out of reach of children.
	Read label before use.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Proportion
Potassium salts of phosphoric acid	Proprietary blend	5-20%
Diammonium phosphate	7783-28-0	5-20%
Urea	57-13-6	5-15%
Other fertiliser ingredients determined to be non-hazardous	N/A	To 100%

4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting unless advised to do so by medical personnel. Immediately rinse mouth with water (only if patient is conscious). Milk or water can be given to dilute if patient is conscious (no more than 2 glasses). Consult a physician or call the poisons information centre. Note that the high level of potassium and ammonium in this product may cause toxicological issues if large quantities are ingested.
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:	Remove to fresh air. Seek medical advice if irritation occurs or 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. High potassium and ammonium load may lead to destabilization of the body's ionic systems – kidney function should be monitored and nervous system response to high K ⁺ load evaluated.
General Information:	Elevated levels of potassium can be toxic and may cause irregular heartbeat or heart attack.

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5. FIRE FIGHTING MEASURES

Flammability:	Non-flammable and non-combustible. May evolve toxic gases when heated to decomposition. Fire fighters recommended to wear SCBA.
Extinguishing media:	Use extinguishing media suitable for surrounding fire situations.
Hazchem Code:	N/A
Precautions in connection with fire:	Clear area of all non-emergency personnel. Stay upwind. Eliminate ignition sources. Contain run-off to prevent entry in water or drainage systems.

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.

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid contact with skin and eyes. Do not inhale spray mist. It is recommended to wear personal protective equipment as outlined in section 8. Prohibit eating, drinking and smoking in contaminated areas.
Storage:	Keep out of reach of children. Store in original container in a cool, dry area away from foodstuffs. This product may release ammonia. If it has been stored in a confined area ventilate space before opening container. Do not store in prolonged sunlight. Do not freeze.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:	None established.
Biological Limit Values:	None established.
Engineering Controls:	Ensure sufficient ventilation to minimise exposure.
Personal Protective Equipment:	The following protective equipment is recommended when handling this product: safety glasses, impervious gloves (rubber, PVC). When using large quantities wear coveralls. Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking and going to the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black liquid
Odour:	Earthy
pH:	7-8
Flammability:	Not combustible
Solubility in Water:	Fully miscible
Lower Explosion Limit:	No data available
Upper Explosion Limit:	No data available
Specific Gravity:	1.3
Conductivity:	80-100 mS/cm
Melting Point:	No data available
Boiling Point:	No data available
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, and acids.
Hazardous Decomposition Products:	May evolve toxic gases (carbon, nitrogen oxides, ammonia, hydrocarbons) when heated to decomposition.

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11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	No LD ₅₀ data available. Low toxicity. Under normal conditions of use, not adverse health effects are anticipated. Use safe work practices to avoid eye contact and prolonged skin contact. Avoid accidental ingestion and contamination of drinking water. Urea can be toxic to livestock, pets and wildlife. Should livestock poisoning occur, vinegar (acetic acid) needs to be administered at high dose rates (e.g. 2-4 L for cattle) immediately. Death from urea poisoning is rapid and often by the time symptoms appear it is too late.
Skin:	No data available. May cause irritation, wash with soap and water.
Eye:	No data available. May cause irritation, wash immediately with water.
Respiratory or skin sensitisation:	No data available. Vapours or mist may cause respiratory irritation. Repeated or prolonged skin contact may cause chronic dermatitis.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
Specific Target Organ Toxicity (STOT) single exposure:	No data available.
Specific Target Organ Toxicity (STOT) – repeated exposure:	No data available.
Aspiration Hazard:	No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Avoid contaminating water ways. Nitrogen fertilisers can stimulate weed and algal growth in static surface waters. May form nitrate which can contaminate surface and ground water.
Persistence/Degradability:	No data available
Mobility:	No data available
Environmental Protection:	No data available

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13. DISPOSAL CONSIDERATIONS

Disposal Method:	Where possible, product should be used for its intended purpose including the rinsings of the container. Dispose of in accordance with all local state and national regulations. Do not discard into drains or waterways.
Container:	Triple or preferably pressure rinse containers before disposal. Dispose of used container in accordance with all local and national regulations. Recycle containers if possible (replace cap and return cleaned container to recyclers or collection point). Empty containers and product should not be burned.

14. TRANSPORT INFORMATION

Land Transport (ADG Code):	Not regulated for transport of Dangerous Goods
Air Transport (IATA)	Not regulated for transport of Dangerous Goods
Sea Transport (IMDG Code)	Not regulated for transport of Dangerous Goods

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 Goods by Road and Rail
AICS:	Australian Inventory of Chemical Substances
CAS Number:	Chemical Abstracts Service Registry
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
Hazchem Code:	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC:	International Agency for Research on Cancer
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 SDS