

SAFETY DATA SHEET

Nutri-Carb-N™

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 Name: | Nutri-Carb-N™ |
| 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. |
| Safety Phrase(s): | S2– Keep out of reach of children. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Proportion |
|---|------------|------------|
| Urea | 57-13-6 | 25-35% |
| Proprietary mix of potassium humate and other non-hazardous ingredients | N/A | To 100% |

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4. FIRST AID MEASURES

| | |
|------------------------------|---|
| Ingestion: | Rinse mouth with water. Do not induce vomiting unless advised to do so by medical personnel. Give plenty to drink provided patient is conscious. Seek medical advice. |
| 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. |
| Inhalation: | Remove to fresh air. Get medical attention if irritation occurs or breathing difficulty develops. |
| First Aid Facilities: | Normal washing facilities. Eye wash station recommended. |
| Advice to Doctor: | Treat symptomatically. |

5. FIRE FIGHTING MEASURES

| | |
|---|---|
| Flammability: | Non-flammable. May evolve toxic gases (carbon and nitrogen oxides, ammonia, hydrocarbons) when heated to decomposition. Fire fighters recommended to wear SCBA. |
| Extinguishing media: | Water spray, dry agent (carbon dioxide, chemical powder). Keep containers cool with water spray. |
| 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

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| Emergency procedures: | Clean up spills immediately. Increase ventilation. |
| Methods and materials for contamination and clean-up: | Wear protective clothing when cleaning up major spills. Soak up spilled product with absorbent non-combustible material such as sand or soil, collect and transfer to a suitable labelled chemical waste container and dispose of promptly. Do not contaminate streams or waterways. Dispose of in compliance with local, state and federal regulations. |

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7. HANDLING AND STORAGE

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|---------------------------------------|---|
| Precautions for safe handling: | Avoid contact with eyes and skin, 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 oxidising agents and 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. |

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: | Mild |
| pH: | 9.0-11.5 |
| Flammability: | Not flammable |
| Solubility in Water: | Fully miscible |
| Lower Explosion Limit: | No data available |
| Upper Explosion Limit: | No data available |
| Specific Gravity: | 1.1 |
| Conductivity: | 10 -15 mS/cm |
| Melting Point: | No data available |
| Boiling Point: | No data available |
| Vapour Pressure: | No data available |
| Evaporation Rate: | No data available |

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10. STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable under normal conditions of use. |
| Hazardous Reactions & Materials to Avoid: | Hazardous polymerization will not occur. Avoid heat and ignition sources. Incompatible with oxidising agents. |
| Hazardous Decomposition Products: | May evolve toxic gases (carbon, nitrogen oxides, ammonia, hydrocarbons) when heated to decomposition. |

11. TOXICOLOGICAL INFORMATION

| | |
|---|--|
| Acute Toxicity: | No data available for product. LD ₅₀ (ingestion) 8471 mg/kg (rat) (urea). May cause gastrointestinal irritation, nausea and vomiting. Ingesting large quantities may result in dizziness, drowsiness, excessive urine, weakness and confusion. Use safe work practices to avoid eye contact and prolonged skin contact. 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 skin irritation. |
| Eye: | No data available. May cause irritation. |
| Respiratory or skin sensitisation: | No data available. May cause skin sensitization. |
| 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

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| 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 |
| 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 |
| 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