

# SAFETY DATA SHEET

**K-Rich™**

**Date of Issue: 21/07/2023**

## 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

<b>Product Name:</b>	K-Rich™
<b>UN Proper Shipping Name:</b>	N/A
<b>Recommended Use:</b>	Fertiliser
<b>Company Name:</b>	Nutri-Tech Solutions Pty Ltd
<b>Address:</b>	7 Harvest Road, Yandina, Qld 4561, Australia
<b>Email:</b>	info@nutri-tech.com.au
<b>ABN:</b>	83 010 472 590
<b>Telephone:</b>	+61 5472 9900
<b>Emergency Telephone Numbers:</b>	Police, Ambulance, Fire: 000 (Mobile 112) Poisons Information Centre (Australia) 13 11 26 Nutri-Tech Solutions Mon-Fri 8:30am-5pm AEST 07 5472 9900 (Australia)

## 2. HAZARDS IDENTIFICATION

<b>Hazard Classification:</b>	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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Proportion
Proprietary mixture of potassium citrate and other non-hazardous fertiliser ingredients.	Potassium Citrate: 866-84-2	100%

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### 4. FIRST AID MEASURES

<b>Ingestion:</b>	Do not induce vomiting. Immediately rinse mouth with water (only if patient is conscious). Water can be given to dilute if patient is conscious. Consult a physician or call the poisons information centre. Note that the high level of potassium in this product may cause toxicological issues if large quantities are ingested.
<b>Eye:</b>	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.
<b>Skin:</b>	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.
<b>Inhalation:</b>	Seek medical advice if breathing difficulty develops.
<b>First Aid Facilities:</b>	Eye wash station and normal washing facilities.
<b>Advice to Doctor:</b>	Treat symptomatically. Activated charcoal is not useful in this case. Gastric lavage may be used. High potassium load may lead to destabilization of the body's ionic systems – kidney function should be monitored and nervous system response to high K <sup>+</sup> load evaluated.
<b>General Information:</b>	Elevated levels of potassium can be toxic and may cause irregular heartbeat or heart attack.

### 5. FIRE FIGHTING MEASURES

<b>Flammability:</b>	Non-flammable and non-combustible.
<b>Extinguishing media:</b>	Use extinguishing media suitable for surrounding fire situations.
<b>Hazchem Code:</b>	N/A
<b>Precautions in connection with fire</b>	Wear SCBA and contain run-off to prevent entry in water or drainage systems.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency procedures:</b>	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. Prevent run-off from entering drains or waterways.
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## 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Avoid contact with skin and eyes.
<b>Storage:</b>	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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards:</b>	None established.
<b>Biological Limit Values:</b>	None established.
<b>Engineering Controls:</b>	Ensure adequate ventilation. General exhaust is adequate under normal operating conditions.
<b>Personal Protective Equipment:</b>	Face shield/safety glasses with side shields, impervious gloves. Access to an eye wash station is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, colourless liquid
<b>Odour:</b>	Nil
<b>pH:</b>	7-8
<b>Flammability:</b>	Not combustible
<b>Solubility in Water:</b>	Fully miscible
<b>Lower Explosion Limit:</b>	No data available
<b>Upper Explosion Limit:</b>	No data available
<b>Specific Gravity:</b>	1.5
<b>Conductivity:</b>	15-25 mS/cm
<b>Melting Point:</b>	No data available
<b>Boiling Point:</b>	No data available
<b>Vapour Pressure:</b>	No data available
<b>Evaporation Rate:</b>	No data available

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of use.
<b>Hazardous Reactions &amp; Materials to Avoid:</b>	Hazardous polymerization will not occur.
<b>Hazardous Decomposition Products:</b>	None known.

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### 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No LD <sub>50</sub> data available. May cause gastro-intestinal irritation and potassium overload if consumed in large quantities.
<b>Skin:</b>	No data available. May cause irritation.
<b>Eye:</b>	No data available. Irritating to eyes.
<b>Respiratory or skin sensitisation:</b>	No data available. Vapour and mist may cause respiratory irritation.
<b>Germ cell mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	No data available.
<b>Reproductive toxicity:</b>	No data available.
<b>Specific Target Organ Toxicity (STOT) single exposure:</b>	No data available.
<b>Specific Target Organ Toxicity (STOT) – repeated exposure:</b>	No data available.
<b>Aspiration Hazard:</b>	No data available.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Product is a fertilizer and readily assimilated into most normal plant systems.
<b>Persistence/Degradability:</b>	No data available
<b>Mobility:</b>	No data available
<b>Environmental Protection:</b>	No data available

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal Method:</b>	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.
<b>Container:</b>	Recycle containers if possible (replace cap and return cleaned container to recyclers or collection point).

### 14. TRANSPORT INFORMATION

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

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## 15. REGULATORY INFORMATION

<b>SUSMP Poisons Schedule:</b>	Not scheduled.
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## 16. OTHER INFORMATION

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