

Rutec Pty Ltd

ABN 91 002 846 988

Material Safety Data Sheet

1/1/2018

PRODUCT NAME K SPECIAL

1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name Rutec Pty Ltd
Address 23 Hargrave St, Tamworth NSW 2340
Telephone 07 3385 6222
Fax 07 3385 6333
Emergency Contacts 0428 667 633
0418 667 633
Website www.rutec.com
Poison Information Centre 13 11 26
Synonym(s) Aqueous solution of potassium, magnesium, copper, iron, manganese, zinc, boron and molybdenum
Use(s) Fertilizer

2 HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO WORKSAFE AUSTRALIA

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No. None allocated **Hazchem Code** None allocated **Pkg Group** None allocated
DG Class None allocated **Subsidiary Risk(s)** None allocated

3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Concentrate
Potassium citrate	30-40%
Other non hazardous components	60-70%

4 FIRST AID MEASURES

Eye Hold eyelids apart and flush continuously with water. Continue for at least 15 minutes or until advised to stop by the Poisons Information Centre or a doctor.

Inhalation Inhalation may cause nausea, headache, pain and gastrointestinal irritation.

Skin Flush immediately and thoroughly with water. If irritation persists, seek medical attention.

Ingestion If conscious, immediately give large quantity of water but do not induce vomiting. Consult a doctor promptly. For advice contact the Poisons Information Centre on 13 11 26 (Australia wide) or a doctor.

Medical Advice Treat symptomatically.

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5 FIRE FIGHTING MEASURES

Extinguishing	Water spray, foam or carbon dioxide.
Fire & Explosion	May evolve ammonia and/or oxides of sulfur and/or nitrogen when heated to decomposition.
Special Fire Fighting Procedures	Wear protective clothing, respirator and goggles while fighting fire. Isolate combustible materials. Isolate area of fire.
Flammability	Not flammable.
Hazchem Code	None allocated

6 ACCIDENTAL RELEASE MEASURES

Spill Response	This product is moderately alkaline. Wear protective gear as outlined in Section 8 while cleaning spillage. Confine spillage, do not let it run into drains. Neutralize with soda ash or lime. Soak up with inert material.
Waste Disposal	Comply with procedures laid down by local, state and federal governments.

7 HANDLING AND STORAGE

Handling	Do not mix this product with any other product except under specific advice from the manufacturer. Carefully read the product label before using. Always wash hands, eyes and exposed parts after handling this product. Do not eat, drink or smoke when handling this product.
Storage	Do not store in direct sunlight – containers are likely to become brittle. Do not store close to food or food cartons. Store in a cool, dry place. Do not store near strong oxidising substances, acids and alkalis. Keep out of reach of children and pets. Seek medical advice upon exposure.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation	When pouring or spraying this product, avoid inhalation of mists and aerosols. Wear gloves and goggles when pouring this product. When exposure to spray mists containing this product can not be avoided, wear a good quality respirator suitable for this application.
PPE	When spraying this product, wear appropriate equipment protective for eyes, lungs and skin. Wash contaminated equipment including clothing before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green-yellow liquid	Solubility in water	miscible
Odour	none	Specific gravity	1.2 approx
pH	9.6 approx	% volatiles	Not applicable
Vapour pressure	Not known	Flammability	not flammable
Vapour density	Not known	Flash Point	not applicable
Melting point	no data	Upper explosion limit	not applicable
Boiling point	unknown	Lower explosion limit	not applicable
Evaporation rate	no data	Autoignition temperature	not applicable
Bulk density	not applicable	Decomposition temperature	no data

10 STABILITY AND REACTIVITY

Reactivity	This product will react with a variety of alkalis and salts to form non-dangerous precipitates.
Decomposition Products	Various depending on heat and/or exposure to other mixtures.

11 TOXICOLOGICAL INFORMATION

Health Hazard Summary	This product is an irritant with moderate to high toxicity.
Eye	Irritant. Exposure may result in pain and redness.
Inhalation	Irritant. Exposure may result in nausea, headache, pain and gastrointestinal irritation.
Skin	Irritant. Prolonged and repeated contact may result in skin rash and dermatitis.
Ingestion	Moderate toxicity. Ingestion may result in nausea, vomiting, gastrointestinal irritation and diarrhoea.
Toxicity Data	No specific data.

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12 ECOLOGICAL INFORMATION

Environment Do not let this product enter drains, water bodies and sewerage systems. This product may be toxic to aquatic life. Undergoes ionic dissociation. This product contains nitrogen and other nutrients and should be kept out of drains.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Reuse or recycle cleaned containers where possible.
Special precautions for landfill or incineration Dispose of in accordance with relevant local legislation.

14 TRANSPORT INFORMATION

Shipping Name Non-dangerous goods

UN No. None allocated **Hazchem Code** None allocated **Packaging Group** None allocated

DG Class None allocated **Subsidiary Risk(s)** None allocated

15 REGULATORY INFORMATION

Poison Schedule This product is not classified using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16 OTHER INFORMATION

This Material Safety Data Sheet conforms with Safe Work Australia Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice February 2016

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