

# Rutec Pty Ltd

ABN 91 002 846 988

## Material Safety Data Sheet

01/07/2018

**PRODUCT NAME PLANT BOOSTER**

### 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 nitrogen, phosphorus, potassium, zinc, copper, iron, manganese, magnesium, boron and molybdenum and growth stimulators  
**Use(s)** Fertilizer

### 2 HAZARDS IDENTIFICATION

**CLASSIFIED AS NON 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	CAS No
urea	10-20%	
phosphorus	5-15%	
potasium	15-25%	
zinc edta	<1%	
Manganese edta	<1%	
Magnesium edta	<1%	
Copper edta	<1%	
Iron edta	<1%	
Boric acid	<1%	
Sodium molybdate	<1%	
Other non hazardous ingredients	40-70%	

### 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

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

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## 6 ACCIDENTAL RELEASE MEASURES

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<b>Spill Response</b>	This product is moderately acidic. 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.
<b>Waste Disposal</b>	Comply with procedures laid down by local, state and federal governments.

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## 7 HANDLING AND STORAGE

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<b>Handling</b>	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.
<b>Storage</b>	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.

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## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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<b>Ventilation</b>	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.
<b>PPE</b>	When spraying this product, wear appropriate equipment protective for eyes, lungs and skin. Wash contaminated equipment including clothing before reuse.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	blue liquid	<b>Solubility in water</b>	miscible
<b>Odour</b>	slight odour of ammonia	<b>Specific gravity</b>	1.44 approx
<b>pH</b>	10.3 approx	<b>% volatiles</b>	Not applicable
<b>Vapour pressure</b>	Not known	<b>Flammability</b>	not flammable
<b>Vapour density</b>	Not known	<b>Flash Point</b>	not applicable
<b>Melting point</b>	no data	<b>Upper explosion limit</b>	not applicable
<b>Boiling point</b>	unknown	<b>Lower explosion limit</b>	not applicable
<b>Evaporation rate</b>	no data	<b>Autoignition temperature</b>	not applicable
<b>Bulk density</b>	not applicable	<b>Decomposition temperature</b>	no data

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## 10 STABILITY AND REACTIVITY

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

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## 11 TOXICOLOGICAL INFORMATION

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

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## 12 ECOLOGICAL INFORMATION

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**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.

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## 13 DISPOSAL CONSIDERATIONS

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

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## 14 TRANSPORT INFORMATION

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**Shipping Name** Non-dangerous goods

<b>UN No.</b>	None allocated	<b>Hazchem Code</b>	None allocated	<b>Packaging Group</b>	None allocated
<b>DG Class</b>	None allocated	<b>Subsidiary Risk(s)</b>	None allocated		

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## 15 REGULATORY INFORMATION

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**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).

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## 16 OTHER INFORMATION

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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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**End of SDS**