



# MANTISSA

## PRODUCT SAFETY DATA SHEET

1. **Product Name:** **CITRUS COMPLEX**  
A fertiliser for use in agriculture and horticulture

**Marketed by:**  
Mantissa Corporation Ltd, New Zealand.

**Contact Points:**  
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2. **Composition:**  
A soluble powder mineral fertiliser blend containing urea, ammonium sulphate, urea phosphate, potassium nitrate, disodium octaborate decahydrate, iron EDTA, manganese sulphate and zinc sulphate

3. **Hazards:**  
May be mildly irritating to skin and eyes

4. **First Aid Measures:**
- |             |   |
|-------------|---|
| Eyes:       | Irrigate with clean water for at least 15 minutes. Seek medical attention if any irritation or redness persists.      |
| Skin:       | Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if any irritation persists. |
| Ingestion:  | If swallowed drink plenty of water and seek medical advice.   |
| Inhalation: | Remove from exposure and provide maximum ventilation.   |

5. **Fire Fighting Measures**  
This product will not burn but may support combustion. If involved in a fire, fumes and vapours of decomposition may be harmful, including oxides of carbon and sulphur. Fire fighters should wear breathing apparatus. Use dry chemical, foam, water spray, sand or earth. Keep unaffected containers cool by spraying with water. Prevent entry of the product or contaminated water into watercourses ditches or drains. Inform the authorities if gross contamination of water is threatened or occurs.

## 6. **Accidental Release (Spillage)**

Wear suitable protective clothing (Refer to Section 8 below). Sweep up the spill and transfer to a labelled container for later removal to a safe place for disposal. Avoid raising dust if possible. Flush the area with plenty of water when all the spillage has been removed.

Prevent the spillage from entering watercourses sewers or drains. Inform the proper authorities if gross contamination of water is threatened or occurs.

## 7. **Storage and Handling**

Keep in original container, tightly closed.

Keep cool and dry in a suitable agricultural chemical store away from food, drink and animal feeding-stuffs and out of reach of children. Keep out of direct sunlight and away from sources of heat.

## 8. **Personal Protection**

Wear protective gloves when handling the product and dealing with spillages.

## 9. **Physical and Chemical Properties**

Appearance: A blue powdered solid  
Odour: Odourless  
Solubility: Readily soluble in water  
pH: 5-8 (of a 5% solution)

## 10. **Stability and Reactivity**

Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions. Keep dry and out of direct sunlight and away from direct sources of heat. Incompatible with strong acids/alkalis.

## 11. **Toxicological Information**

Acute Oral LD50: >4,000 mg/kg.bw (calculated)  
Irritancy: May be mildly irritating to skin and eyes

## 12. **Environmental Protection**

Do not contaminate surface waters or ditches with chemical or used container.

## 13. **Disposal of Unwanted Product and Used Containers**

Consult the local authorities before disposing of unwanted chemical. Dispose of empty container by triple-rinsing, puncturing and burning or as permitted by local authorities. Do not re-use containers for any purpose.

## 14. **Transport Information**

Road Transport: Non-hazardous  
UN Number: No UN Number  
Proper Shipping Name: Non-hazardous  
IMDG Class: Not applicable  
CPL Packing Group: Not applicable

## 15. **Regulatory Information**

No statutory phrases apply.

Advisory Safety Phrases

S2 Keep out of reach of children  
S37 Wear suitable gloves.

## 16. Other Information

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

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