



MANTISSA

PRODUCT SAFETY DATA SHEET

1. **Product Name:** **HI-PHOS**
A high phosphorus liquid fertiliser with potassium and magnesium, for use in agriculture

Marketed by:
Mantissa Corporation Ltd, New Zealand.

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2. **Composition**
An aqueous preparation containing potassium hydrogen phosphate, phosphoric acid and magnesium hydroxide

3. **Hazards**
Irritating to skin and eyes.
Hazard symbol Xi
Risk phrase R36/38 Irritating to eyes and skin

4. **First Aid Measures**
Eyes: Irrigate with clean water for at least 15 minutes and seek medical attention without delay.
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 immediately.
Inhalation: Remove from exposure and provide maximum ventilation

5. **Fire Fighting Measures**
This product will not burn. If involved in a fire, fumes and vapours may be harmful. Fire fighters should wear breathing apparatus.
Use dry chemical, foam, water spray, sand or earth. Prevent entry of the product or contaminated water into watercourses ditches or drains.

6. Accidental Release (Spillage)

Wear suitable protective clothing (Refer to Section 8 below).
Cover the spillage with inert absorbent material (sand, earth etc), shovel up and transfer to a container for later removal to a safe place for disposal.
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 in a suitable agricultural chemical store, out of reach of children and away from food, drink and animal feedingstuffs.

Do not store in direct sunlight. Do not allow to freeze. Store above 5°C

8. Personal Protection

Wear suitable protective gloves and face protection (face shield) when handling the concentrated product. Wash all protective clothing thoroughly after use especially the insides of gloves.

9. Physical and Chemical Properties

Appearance: a clear red liquid

Odour: slight acidic odour

Specific Gravity: Approx. 1.44

Ph: Approx. 1.7

10. Stability and Reactivity

Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions.

11. Toxicological Information

Acute oral LD50: not determined. Expected to be >2000 mg/kg.bw

Acute dermal LD50: not determined. Expected to be >4000 mg/kg.bw

Irritancy: The undiluted material will irritate skin and eyes.

12. Environmental Protection

This product may be toxic to fish or other aquatic life. Its components are readily bio-degradable and bio-accumulation is unlikely. 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.
Triple-rinse and puncture used containers and dispose of as permitted by local authorities. Do not re-use containers for any purpose.

14. Transport Information

Road Transport: Not classified

UN Number: None

Proper Shipping Name: None

IMDG Class: Not classified

CPL Packing Group: None

15. Regulatory Information

Hazard: Irritant Xi

Risk phrase:
R36/38 Irritating to eyes and skin

Safety phrases:
S2 Keep out of reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately using plenty of water
S37/39 Wear suitable gloves and eye/face protection
S49 Keep only in the original container

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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