

PRODUCT SAFETY DATA SHEET

MAPLE DF

1. † Identification of the Product and the Company:

Trade Name: MAPLE DF

Function: A soluble micronutrient for use in agriculture and horticulture

Contact Point:

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2. Hazards:

Harmful – danger of serious damage to health from prolonged exposure by inhalation and if swallowed.

Toxic to aquatic organisms

May cause long-term adverse effects in the aquatic environment

3. Composition/Information on Ingredients:

A water-dispersible formulation containing manganese sulphate

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.

Ingestion: If swallowed drink plenty of milk or water and seek medical advice

Inhalation: Remove from exposure and provide maximum ventilation

5. Fire Fighting Measures

Maple DF 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 (see Section 8 below).

Sweep up the spillage 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 authorities if contamination of water is threatened or occurs.

7. Storage and Handling

Keep in original container, tightly closed

Keep cool and dry in a suitable store under lock and key,. Do not store in direct sunlight or near direct sources of heat.

Keep away from food, drink and animal feedingstuffs and out of reach of children. Re-seal part-used containers after use.

8. Personal Protection

Wear suitable protective clothing and gloves when handling the concentrated product. Avoid breathing dust or spray mist when using.

9. Physical and Chemical Properties

Appearance: a granular solid

Odour: faint, chemical

Solubility: very soluble in water

10. Stability and Reactivity

Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions. Keep containers dry. Re-seal part-used containers after use.

11. Toxicological Information

This product is harmful. There is a danger of serious damage to health by prolonged exposure by inhalation and if swallowed.

Acute oral LD50: >2,000 mg/kg.bw (calculated)

Acute dermal LD50: >2,000 mg/kg.bw (calculated)

Irritancy: Not expected to be an irritant.

12. Environmental Protection

This product is toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Do not contaminate surface waters or ditches with chemical or used containers. Avoid contaminating waterways by spray drift.

13. Disposal of Unwanted Product and Used Containers

Consult the local authorities before disposing of unwanted chemical. Dispose of used bags as permitted by local authorities. Do not re-use containers for any purpose.

14. Transport Information

Road Transport: Environmentally hazardous substance

UN Number: 3077

Proper Shipping Name: Environmentally hazardous substances, solid, N.O.S. (contains manganese sulphate).

IMDG Class: 9

CPL Packing Group: III

15. Regulatory Information

Hazard Symbols:	Harmful Xn Dangerous for the environment N
Risk phrases: R48/20/22	Harmful: risk of serious damage to health by prolonged exposure by inhalation and if swallowed.
R51	Toxic to aquatic organisms
R53	May cause long-term adverse effects in the aquatic environment
Safety phrases: S2	Keep out of reach of children
S22	When using do not eat, drink or smoke
S23	Do not breathe dust or spray mist
S36/37	Wear suitable protective clothing and gloves.
S57	Use appropriate containment to avoid environmental contamination.

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.

Maple DF is a Headland trademark.

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Replaces issue dated:	July 2006
Sections amended since last issue:	marked † in margin.