

PRODUCT SAFETY DATA SHEET

1. 1. Product Name:

HEADLAND JETT

A soluble micronutrient formulation for use in agriculture

Marketed by:

United Kingdom:	Headland Agrochemicals Ltd.
Republic of Ireland:	Headland Agrochemicals Ltd./Novokem Ltd.
New Zealand:	Headland Agrochemicals (NZ) Ltd.
Australia:	Headland Australasia Pty Ltd
Other overseas territories:	Headland Agrochemicals Ltd

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2. 2. Composition:

An aqueous solution containing 20% w/v manganese as the nitrate

3. Hazards:

May be 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. 5. Fire Fighting Measures

The product will not burn but may react with reducing agents. 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

Keep cool and dry in a suitable agricultural chemical store under lock and key

Do not allow to freeze. Store above 5°C

8. Personal Protection

Wear coveralls, suitable protective gloves and face-shield when handling the concentrated product. Avoid breathing the spray mist when using.

9. Physical and Chemical Properties

Appearance: a pink to pale brown clear liquid

Odour: slight, characteristic

Specific Gravity: Approx. 1.47

Ph: 2.5 - 3

10. 10. Stability and Reactivity

Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions. Do not allow to freeze – store above 5°C.

11. 11. Toxicological Information

This product is of low toxicity:

Acute oral LD50: Expected to be >2,000 mg/bg.bw

Acute dermal LD50: Expected to be >4,000 mg/kg.bw

Irritancy: May be irritating to skin and eyes.

12. Environmental Protection

This product is expected to be of low toxicity to fish and other aquatic life. Its components are readily bio-degradable and bio-accumulation is unlikely.

Do not contaminate surface waters or ditches with any chemical or used containers.

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. 14. Transport Information

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

15. 15. Regulatory Information

No statutory phrases necessary

S7 Keep container tightly closed

S35 This material and its container must be disposed of in a safe way.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S49 Keep in 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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