

PRODUCT SAFETY DATA SHEET

1. Identification of the Product and the Company:

Trade Name: HEADLAND GUARD 2000

Function: An adjuvant for use in agriculture and horticulture

Marketed by:

United Kingdom: Headland Agrochemicals Ltd.

Republic of Ireland: Headland Agrochemicals Ltd.

New Zealand, Australia: Mantissa Corporation Ltd.

Other overseas territories: Headland Agrochemicals Ltd

† Contact Points:

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2. Composition/Information on Ingredients:

An aqueous formulation containing synthetic latex and an alcohol surfactant.

Hazardous components: Ethoxy-7-tridecanol

Risk Phrases: R22, 41

Safety Phrases: S26, 37/39

3. Hazards:

Not classified as hazardous

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 wash out mouth with water. Give 500 ml of water to drink. Keep patient at rest and obtain medical advice.
- Inhalation: Remove from exposure and provide maximum ventilation

5. Fire Fighting Measures

Headland Guard 2000 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 by bunding the area with sand or earth if possible.

6. † Accidental Release (Spillage)

Wear suitable protective clothing (see Section 8). Remove contaminated clothing immediately. Do not eat drink or smoke. Keep bystanders away.
Absorb spillage with inert material (e.g. sand or earth), shovel or sweep up and transfer to a labelled 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 waterways, sewers or drains is threatened or occurs.

7. Storage and Handling

Wash hands and exposed skin before meals and after work.
Keep in original container, tightly closed.
Keep cool and dry in a suitable agricultural chemical store.
Keep away from food, drink and animal feedingstuffs and out of reach of children.

8. Personal Protection

Avoid breathing the spray mist when using.
Occupational Exposure Limits: None applicable

9. Physical and Chemical Properties

Appearance: A milky-white free-flowing liquid
Odour: Faint, chemical
Solubility: Completely miscible in water
Specific Gravity: 1.00 – 1.01
pH: Typically 6 - 8
Viscosity: Less than 100 mPa (Brookfield No.2 spindle, 100 rpm)

10. † Stability and Reactivity

Stability: Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions. Do not allow to freeze.

Reactivity: essentially unreactive.

Materials to avoid: None

11. Toxicological Information

Acute Toxicity:

This product is of low acute toxicity:

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

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

Inhalation: No data

Irritancy: Not classified as irritant

12. Environmental Protection

This product is expected to have low environmental impact and is unlikely to bioaccumulate.

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 hazardous

UN Number: None

Proper Shipping Name: Does not apply

CPL Packing Group: Does not apply

ADR/RID Description: Does not apply

IMDG Class: Not classified

15. Regulatory Information

Risk Symbol: None

Risk Phrases: None

Safety phrases:

S2 Keep out of reach of children

S13 Keep away from food, drink and animal feedingstuffs

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.

Headland Guard 2000 is authorised by the UK Pesticides Safety Directorate for use as a pesticide adjuvant. Authorisation No. ADJ 0369. Authorisation held by Headland Agrochemicals Ltd.

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Sections amended since last issue marked † in margin.