

PRODUCT SAFETY DATA SHEET

1. † Identification of the Preparation and the Company:

Product Name: HEADLAND SULPHUR

Function: A micronutrient and fungicide for use in agriculture and horticulture

Marketed by:

United Kingdom: Headland Agrochemicals Ltd.

New Zealand & Australia: Mantissa Corporation Ltd.

Other Overseas Territories Headland Agrochemicals Ltd.

Contact Points:

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2. Hazards Identification:

Contains 1,2-benzisothiazolin – may cause an allergic reaction

3. Composition/Information on Ingredients:

Chemical Name	CAS No.	Class	% w/v
Sulphur (elemental)	7704-34-9	n/a	80.0
Sodium methylnaphthanate	81065-51-2	Xi, R41	<3.0
Monoethylene glycol	107-21-1	Xn, R22	<10.0
1,2-benzisothiazolin 20% in dipropylene glycol	2634-33-5	Xn, R22/38/43 N, R50,53	0.10

4. First Aid Measures:

Eyes: Irrigate immediately with clean water for 15 minutes. Seek medical attention if any irritation or redness persists.

Skin: Remove contaminated clothing. Wash affected area thoroughly with soap and water.

Ingestion: If swallowed, drink plenty of water or milk and seek medical attention without delay.

Inhalation: Remove from exposure.

5. Fire Fighting Measures:

Headland Sulphur will not burn, but if involved in a fire, sulphur dioxide will be evolved.

Firefighters should use self-contained breathing apparatus.

Extinguishing media: Use dry chemical, foam, water spray, sand or earth. Prevent entry of contaminated firefighting water into watercourses, sewers or drains by bunding if possible.

6. Accidental Release Measures:

Wear suitable protective clothing (see Section 8 below).

Contain and cover spillage with inert absorbent material (e.g. absorbent granules, sand or earth) and transfer to containers for later removal to a safe place for disposal. Flush area with plenty of water when all traces of the spillage have been removed.

Prevent entry of spillage into waterways, sewers or drains. Advise the emergency services if contamination of water is threatened or occurs.

7. Handling & Storage:

Keep cool and dry in a suitable agricultural chemical store. Do not allow to freeze.

Store above 5°C. Do not store in direct sunlight or near direct sources of heat. Shake the container thoroughly before opening and use.

8. Exposure Controls / Personal Protection:

Wear suitable protective gloves and face-shield when handling the concentrated product.

Occupational Exposure Limits: none prescribed.

9. Physical & Chemical Properties:

Appearance: An opaque yellow mobile liquid

Odour: Mild sulphurous odour

Specific Gravity: 1.41-1.45 at 20°C

pH: 8.0

Flashpoint: Will not burn

Explosivity: Not explosive

Oxidation properties: Not an oxidiser

Solubility: Completely disperses in water

10. Stability & Reactivity:

Very stable. Stores in original container for at least two years under normal pesticide storage conditions.

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

Reactivity: avoid oxidisers, strong bases and amines.

11. † Toxicological information:

Acute oral toxicity: LD₅₀ 4,228 mg/kg. bw. (rat)

Acute dermal toxicity: LD₅₀ > 4,000 mg/kg. bw. (rat)

Irritation: Mildly irritating to skin, eyes and mucous membranes
Contains benzisothiazolin. May cause an allergic reaction.

12. Environmental Protection:

Ecotoxicity:

This product is expected to be of low toxicity to aquatic organisms.

Bio-accumulation:

This product will slowly biodegrade in the environment. Bio-accumulation is considered unlikely.

13. † Disposal of Unwanted Product and Used Containers:

Consult the local authority before disposing of unwanted chemical.

Triple-rinse and puncture empty containers. Dispose of as permitted by local authorities. Do not re-use containers.

14. Transport Information:

Road Transport: Non hazardous.

UN Number: No UN number

Proper Shipping Name: Non hazardous

IMDG Class: N/A

CPL Packing Group: N/A

15. Regulatory Information

Hazard Symbol: None prescribed

Risk Phrase: None prescribed

Safety Phrases (advisory):

S2 Keep out of reach of children

S37/39 Wear suitable gloves and eye/face protection

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 purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, 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 at the date of publication and will be updated as and when appropriate. No liability will be accepted for any injury loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Headland is a registered trademark

Headland Sulphur is registered for use as an agricultural and horticultural fungicide in Great Britain, Ireland, Australia, New Zealand, Greece and Portugal.

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Sections updated since last issue: Marked † in margin