

PRODUCT SAFETY DATA SHEET

1. † Identification of the Preparation and the Company:

Product Name: TRICE
Function: A micronutrient for use in agriculture

Manufactured and Marketed by:

Headland Agrochemicals Ltd.
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2. Hazards:

Dangerous for the environment N.
Contains 1,2-benzisothiazolin. May cause an allergic reaction.

3. Composition/Information on Ingredients:

Chemical Name	CAS No.	Class	% w/v
Copper oxychloride	1332-65-6	Xn, R20,22 N, R50/53	19.4
Manganese carbonate	598-62-9	n/a	64.1
Zinc oxide	1314-13-2	n/a	10.5
Monoethylene glycol	107-21-1	Xn, R22	2.50
1,2-benzisothiazolin 20% in dipropylene glycol	2634-33-5	Xn, R22,38, 43 N, R50,53	0.05

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

This product will not burn. If involved in a fire, fumes and vapours may be harmful. Fire fighters should wear breathing apparatus.

Extinguishing media: Use dry chemical, foam, water spray, sand or earth.
Prevent entry of the product or contaminated water into watercourses ditches or drains.

Advise the correct authority if contamination of water is threatened or occurs.

6. Accidental Release (Spillage)

Wear suitable protective clothing (see Section 8 below).

Cover the spillage with inert absorbent material (absorbent granules, sand, earth etc), shovel up and transfer to a container for later remove 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 correct 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 chemical store under lock and key

Keep away from food, drink and animal feedingstuffs and out of reach of children

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

8. Exposure Controls / Personal Protection

No protective clothing is prescribed for this product.

Occupational exposure limits: none assigned.

9. Physical and Chemical Properties

Appearance: an opaque green mobile liquid

Odour: virtually odourless

Specific Gravity: Approx. 1.76

pH 8.6

Flashpoint: Will not burn

Explosivity: Not explosive

Oxidising properties: Not an oxidiser

Solubility: Completely disperses in water

10. Stability and Reactivity

Expected to be stable for at least 24 months under normal chemical storage conditions.

Reactivity: essentially non-reactive

11. Toxicological Information

This product is expected to be of low toxicity:

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

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

Irritancy: Not expected to be an irritant

May cause an allergic reaction.

12. Environmental Protection

Ecotoxicology:

Toxic to aquatic organisms. Do not contaminate surface waters or ditches with any chemical or used containers. Avoid contamination of waterways by spray drift.

Bioaccumulation:

This product will slowly biodegrade in the environment. It may cause long-term adverse effects in the aquatic environment. Bio-accumulation is considered unlikely

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

15. Regulatory Information

Hazard Symbol:	Dangerous for the Environment N
Risk Phrases:	
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
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 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.

Further advice from: Headland Agrochemicals Ltd.

Headland is a registered trademark.

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