

MAGNUS

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Section 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Product name: MAGNUS 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of substance / mixture: A micronutrient fertiliser for use in agriculture and horticulture. 1.3. Details of the supplier of the safety data sheet Company name: Headland Agrochemicals **Rectors Lane** Pentre Deeside Flintshire CH5 2DH United Kingdom Tel: +44(0)1244 537370 Fax: +44(0)1244 532097 Email: enquiry@headlandgroup.com 1.4. Emergency telephone number

Emergency tel: +44(0)1244 537370

(office hours only)

# Section 2: Hazards identification

# 2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.

# 2.2. Label elements

Label elements under CHIP:

Hazard symbols: No significant hazard.

2.3. Other hazards

**PBT:** This substance is not identified as a PBT substance.

### Section 3: Composition/information on ingredients

3.2. Mixtures

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### Hazardous ingredients:

### ETHYLENE GLYCOL

EINECS	CAS	CHIP Classification	CLP Classification	Percent
203-473-3	107-21-1	Xn: R22	Acute Tox. 4: H302	1-5%

# Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Not applicable.

### 4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

# Immediate / special treatment: Not applicable.

# Section 5: Fire-fighting measures

# 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

# 5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

# Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-

side up to prevent the escape of liquid.

### 6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

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# 6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

# 6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

### Section 7: Handling and storage

7.1. Precautions for safe handling

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Store away from frost.

Store above 5'C.

# 7.3. Specific end use(s)

Specific end use(s): No data available.

# Section 8: Exposure controls/personal protection

8.1. Control parameters

### Hazardous ingredients:

# **ETHYLENE GLYCOL**

### Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	52 mg/m3 (vapour)	104 mg/m3 (vapour)	-	-

# 8.2. Exposure controls

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

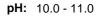
Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

# Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State:	Liquid
Colour:	Yellow
Odour:	Barely perceptible odour
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Miscible
Relative density:	1.60 - 1.63



**Respirable dust** 

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# 9.2. Other information

Other information: No data available.

# Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

# 10.4. Conditions to avoid

Conditions to avoid: Heat.

### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

# **10.6. Hazardous decomposition products**

Haz. decomp. products: In combustion emits toxic fumes.

# Section 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicity values: No data available.

### Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

### Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

# Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

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# 12.4. Mobility in soil

Mobility: Readily absorbed into soil.

# 12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

## 12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

### Section 13: Disposal considerations

13.1. Waste treatment methods

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### Section 14: Transport information

Transport class: This product does not require a classification for transport.

### Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

# Section 16: Other information

# Other information Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. Phrases used in s.2 and 3: H302: Harmful if swallowed. R22: Harmful if swallowed. R22: Harmful if swallowed. Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.