

PRODUCT SAFETY DATA SHEET : MICROSOL 28-10-10+3%MgO SW

Section1: Identification of the substances/mixtures and of the company / undertaking

1:1 Product Identifier

Product Name: Microsol 28-10-10+3 SW
Product Code: 01160212/020

1:2 Relevant identified uses of the substance or mixture and uses advised against

Use of Substance / Mixture: Soluble fertilizer for use in agriculture and horticulture

1:3 Details of the supplier of the safety data sheet

Company Name: Rigby Taylor Ltd
Crown Lane
Horwich
BL6 5HP
Tel: +44(0)1204 677777
FAX: +44(0)1204 677715
Email: info@rigbytaylor.com

1:4 Emergency telephone number

Emergency tel: +44(0)1204 677777 (office hours only)

Section2: Hazards identification

2:1 Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 3 : H412
Classification under CHIP: -: R52/53
Most important adverse effects: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2:2 Label elements

Label elements under CLP:

Hazard Statements: H412: Harmful to aquatic life with long lasting effects.
Precautionary statements: P273: Avoid release to the environment.
P501: Dispose of contents/containter to approved contractor.

Label elements under CHIP:

Hazard symbols: No significant hazard.
Risk phrases: R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2:3 Other Hazards

PBT: This substance is not identified as a PBT substance

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Section3: Composition / information on ingredients
3:2 Mixtures
Hazardous ingredients:

MANGANESE SULPHATE

EINICS	CAS	CHIP Classification	CLP Classification	Percent
232-089-9	7785-87-7	Xn : R48/20/22 ; N : R51/53	STOT RE 2: H373; Aquatic Chronic 2: H411	1-10%

Section4: 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.

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 : There may be irritation of the throat with a feeling of tightness in the chest.

4:3 Indication of any immediate medical attention and special treatment needed

Immediate/special treatment: Not applicable.

Section5: Fire-fighting measures
5:1 Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used

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. Avoid rejection of extinguishing water in the environment.

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Section6: Accidental release measures

6:1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6:2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6:3 Methods and material for containment and cleaning up

Clean-up procedures: 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

Section7: Handling and storage

7:1 Precautions for safe handling

7:2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.
Suitable packaging : Must be kept in original packaging

7:3 Specific end use(s)

Specific end use(s): No data available

Section8: Exposure controls / personal protection

8:1 Control parameters

Workplace exposure limits: Not Applicable

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8:2 Exposure controls

Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory protection :	Respiratory protective device with particle filter.
Hand protection :	Protective gloves. Wash hands before and at the end of work.
Eye protection :	Safety glasses. Ensure eye bath is to hand.
Skin protection:	Protective clothing. Wearing of closed work clothes is recommended.

Section9: Physical and chemical properties

9:1 Information on basic and chemical properties

State:	Powder
Colour :	Blue
Solubility in water :	Soluble

9:2 Other information

Other information: Not Applicable

Section10: 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

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10:6 Hazardous decomposition products

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

Section11: Toxicological information

11:1 Information on toxicological effects

Toxicity values: Not applicable

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: There may be irritation of the throat with a feeling of tightness in the chest.

Other information: The product has not been tested. The statements on toxicology have been derived from the properties of the individual components or from products of a similar structure and composition.

Section12: Ecological information

12:1 Toxicity

Ecotoxicity values: Not Applicable

12:2 Persistence and degradeability

Persistence and degradeability: Biodegradeable

12:3 Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential

12:4 Mobility in 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: Toxic to aquatic organisms. Toxic to soil organisms.

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Section13: Disposal considerations

13:1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company

Disposal of packaging: Observe all local regulations.

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

Section14: Transport information

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

Section15: 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

Section16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010
* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3:

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure< state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

R48/20/22: Harmful: dangerous damage to health by prolonged exposure through inhalation and if swallowed.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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.