

**PRODUCT SAFETY DATA SHEET : MICROSOL 28-0-14**
**Section1: Identification of the substances/mixtures and of the company / undertaking**
**1:1 Product Identifier**

**Product Name:** Microsol 28-0-14  
**Product Code:** 0116025/020

**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:** This product has no classification under CLP  
**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

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

MAGNESIUM SULPHATE TRIHYDRATE RM

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-298-2	7487-88-9	Substance with a community workplace exposure limit.	-	1-10%

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SODIUM PENTABORATE DECAHYDRATE RM

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	12046-75-2	T:R60; T: R61	Repr. 2 : H361fd	<1%

**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  
**Inhalation :** Consult a doctor.

**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.  
**Delayed / immediate effects:** Possible systemic effects.

**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

**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.

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**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:** Wash the spillage site with large amounts of water.

**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**

**Handling requirements:** Avoid the formation or spread of dust in the air.

**7:2 Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in a cool, well ventilated area.  
**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**

**Hazardous ingredients:**  
**MAGNESIUM SULPHATE TRIHYDRATE RM**

**Workplace exposure limits**

**Respirable dust**

State	Workplace exposure limits		Respirable dust	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	10mg/m3	4mg/m3

**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.

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## 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. In molten state: reacts violently with (some) metals.

## 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.

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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.  
**Delayed / immediate effects:** Possible systemic effects.  
**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:** Negligible ecotoxicity

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## Section13: Disposal considerations

## 13:1 Waste treatment methods

- Disposal operations:** Observe all local regulations. Clean packaging material should be subjected to waste management schemes (Recovery recycling reuse) according to local legislation.
- 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** H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.  
R60: May impair fertility.  
R61: May cause harm to the unborn child.
- 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.