

**PRODUCT SAFETY DATA SHEET : MICROSOL 14-0-28**

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

**1:1 Product Identifier**

**Product Name:** Microsol 14-0-28  
**Product Code:** 0116013/020

**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 67715  
**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:** Eye Irrit. 2 : H319 ; Skin Irrit. 2 : H315 ; Resp. Sens. 1 : H334, STOT SE 3 : H335  
**Classification under CHIP:** This product has no classification under CHIP

**2:2 Label elements**

**Label elements under CLP:**

**Hazard Statements:** H315: Causes skin irritation.  
 H319: Causes serious eye irritation  
 H335: May cause respiratory irritation

**Signal Words:** Warning

**Hazard pictograms** GHS07 : Exclamation mark

**Precautionary statements:** P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P285: In case of inadequate ventilation wear respiratory protection.  
 P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.



Cont.

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P313: Get medical advice/attention  
 P342+311: If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.

**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:**

ALUMINIUM SULPHATE RM

EINICS	CAS	CHIP Classification	CLP Classification	Percent
233-135-0	-	Xi : R36/37/38	Skin Irrit. 2 : H315 ; STOT SE 3 : H335 ; Resp. Sens. 1 : H334 ; Eye Irrit. 2 : H319 ; Eye Dam.1 : H318	10-30%

MAGNESIUM SULPHATE TRIHYDRATE RM

231-298-2	7487-88-9	Substance with a Community workplace exposure limit	-	1-10%
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SODIUM PENTABORATE DECAHYDRATE RM

-	12046-75-2	T : R60 ; T :R61	Repr. 2: H361fd	<1%
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**Section4: First aid measures**

**4:1 Description of first aid measurers**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.

**Eye contact:** Promptly wash eye with plenty of water while lifting the eye lids. Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion :** Wash out mouth with water. Consult a doctor.

**Inhalation :** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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**4:2 Most important symptoms and effects, both acute and delayed**

**Skin contact:** There may be irritation and redness at the site of contact.  
**Eye contact:** There may be irritation and redness. The eyes may water profusely.  
**Ingestion :** There may be soreness and redness of the mouth and throat.  
**Inhalation :** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.  
**Delayed / immediate effects:** Immediate effects can be expected after a short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises

**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. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

**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

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**Section7: Handling and storage**

**7:1 Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. 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. 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**

**Hazardous ingredients:**

**MAGNESIUM SULPHATE TRIHYDRATE RM**

Workplace exposure limits : Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	10mg/m3	4mg/m3

**8:2 Exposure controls**

**Engineering measurers:** Ensure there is sufficient ventilation of the area.  
**Respiratory protection :** Self-contained breathing apparatus must be available in case of emergency. 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

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## 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

## 10:6 Hazardous decomposition products

Haz. decomp. products: Incombustion emits toxic fumes.

## Section11: Toxicological information

## 11:1 Information on toxicological effects

Toxicity values: Not applicable

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**Symptoms / routes of exposure**

**Skin contact:** There may be irritation and redness at the site of contact.  
**Eye contact:** There may be irritation and redness. The eyes may water profusely.  
**Ingestion:** There may be soreness and redness of the mouth and throat.  
**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.  
**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.  
**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.

**Section 12: Ecological information**

**12:1 Toxicity**

**Ecotoxicity values:** Not Applicable

**12:2 Persistence and degradability**

**Persistence and degradability:** Biodegradable

**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

**Section 13: 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. Packs that cannot be cleaned should be disposed of in the same manner as the contents.  
**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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## 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:** H315: Caution skin irritation.  
H318: Causes serious eye damage  
H319: Causes serious eye irritation.  
H334: May cause allergy or Asthma symptoms or breathing difficulties if inhaled.  
H335: May cause respiratory irritation.  
H361fd: Suspected of damaging fertility, Suspected of damaging the unborn child.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R60 May impair fertility.  
R61: May cause harm to 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.