

# SAFETY DATA SHEET

## Step High-Mag Trace element package.

Conforms to 93/112/EC and ISO 11014-1

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product name** : Step High-Mag Trace element package.  
**Item number** : 44860102.  
**Synonyms** : Trace Element Package.  
**Manufacturer/Supplier** : Scotts International B.V.  
Nijverheidsweg 1-5  
6422 PD Heerlen  
The Netherlands.  
**Emergency telephone number** : As long as no emergency telephone number is available in Europe, please contact in case of an emergency: ++31 455609100. UK: 01865 407333

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation** : Preparation.

#### Information on hazardous ingredients

Chemical name	CAS No.	%	EC Number	Symbol	R-Phrases
Manganese dioxide MnO <sub>2</sub>	1313-13-9	9.40	215-202-6	Xn	R20/22
Copper oxide	1317-38-0	1.20	215-269-1	Xn	R22

**Occupational Exposure Limit(s), if available, are listed in section 8**

### 3. HAZARDS IDENTIFICATION

**Physical/chemical hazards** : No physical or chemical hazards have been reported or known.  
**Human health hazards** : Harmful by inhalation and in contact with skin [=R20/21!]  
**Environmental hazards** : No environmental hazards have been reported or known.  
**Other information** : Inhalation of heavy concentrations of manganese-containing dusts over very prolonged periods of exposure (usually 1 to 3 years) has been reported to cause damage to the central nervous system.

### 4. FIRST-AID MEASURES

**Effects and symptoms** : Possible symptoms are nausea and/or vomiting. May be irritating to eyes or skin.

**Aggravating conditions** : Skin irritation may be aggravated in people with existing skin lesions.

#### First-aid measures

**Inhalation** : Dusty conditions are unlikely if product is used as intended. However, if prolonged inhalation of dust occurs, remove victim to fresh air. Consult a doctor in the event of any complaints.

**Ingestion** : Wash out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Make victim drink plenty of water. Consult a doctor in the event of any complaints.

**Skin contact** : Wash off with water and soap. Consult a doctor in the event of any complaints.

**Eye contact** : Wash out with water. Consult a doctor in the event of any complaints.

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### 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable** : Dry chemical, water spray, foam, carbon dioxide.
- Special fire-fighting procedures** : In case of fire and/or explosion do not breathe fumes. Evacuate all personnel to a safe area. Cool exposed containers with water spray.
- Unusual fire/explosion hazards** : Decomposes upon heating.
- Hazardous thermal** : Not known.
- (de)composition products**
- Protection of fire-fighters** : Use appropriate protection. In case of insufficient ventilation, wear suitable respiratory equipment.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear a disposable mask. Gloves are recommended. Respiratory protection is not required if good ventilation is maintained.
- Environmental precautions** : Not applicable.
- Methods for cleaning up** : Collect spilled material. Wash away remainder with plenty of water.

### 7. HANDLING AND STORAGE

- Handling** : Gloves are recommended. Prevent formation of clouds of dust.
- Storage** : Keep away from moisture. Keep away from food, drink and animal feedingstuffs. Keep away from combustible material. Keep out of the reach of children.
- Packaging materials**
- Suitable** : Paperbags or Bulk.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Hygiene measures** : When using do not eat, drink or smoke. Follow good housekeeping practices. Wash hands thoroughly after handling.
- Occupational Exposure Limits** : No occupational exposure limits have been established - United Kingdom.
- Personal protective equipment**
- Respiratory system** : In case of insufficient ventilation, wear suitable respiratory equipment [=S38].
- Hands** : Gloves are recommended.
- Other information** : TWA (Total dust): 10 mg/m<sup>3</sup>.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Granulated fertilizer.
- Colour** : Brownish and grey.
- Odour** : Odourless.

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**Bulk density** : 950-1050 kg/m<sup>3</sup>.

### 10. STABILITY AND REACTIVITY

**Stability** : Stable under normal conditions.  
**Conditions to avoid** : For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.  
**Hazardous reactions** : Not applicable.  
**Hazardous decomposition products** : Not applicable.

### 11. TOXICOLOGICAL INFORMATION

No toxicological information is available.

### 12. ECOLOGICAL INFORMATION

No ecological information is available.

### 13. DISPOSAL CONSIDERATIONS

**Methods of disposal** : Use up product completely. Packaging material is industrial waste. Disposal according to the local legislation.

### 14. TRANSPORT INFORMATION

#### International transport regulations

**Land - Road/Railway** : This product is not classified according to ADR/RID.

**Inland waterways** : This product is not classified according to ADNR.

**Sea** : This product is not classified according to IMDG.

**Air** : This product is not classified according to IATA.

#### National transport regulations

**United Kingdom** : No additional national transport regulations are known to the supplier.

### 15. REGULATORY INFORMATION

**Classification** : EU Classification (67/548/EEC-88/379/EEC).

**Hazard symbol(s)** : Xn



HARMFUL (Xn)

**Risk phrases** : R20/22: Harmful by inhalation and if swallowed.

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**Safety phrases** : S2: Keep out of the reach of children.  
S46: If swallowed, seek medical advice immediately and show this container or label.

**National regulations**

**United Kingdom** : No additional national regulations are known to the supplier.

**16. OTHER INFORMATION**

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**Prepared by** : Technology Department.