

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 ₂ | 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/m³.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

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Bulk density : 950-1050 kg/m³.

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

This information contained herein is, to the best of Scott's knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Scotts shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Scotts shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

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