SAFETY DATA SHEET
GREENTEC 14-2-6 + 2MGO + FE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: GREENTEC 14-2-6 + 2MGO + FE
Product number: CNF003/25

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Fertiliser for use on managed amenity turf

1.3. Details of the supplier of the safety data sheet
Supplier: Headland Amenity Ltd
1 Burr Elm Court
Main Street
Caldecote
Cambridge
Cambridgeshire
CB23 7NU
Tel. +44 (0)1223 491090
sds.enquiries@headlandamenity.com
Contact person: Wendy Johnson

1.4. Emergency telephone number
Emergency telephone: +44 (0)1223 491090 (9.00 - 5.00 GMT Mon-Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards: Not Classified
Health hazards: Eye Irrit. 2 - H319
Environmental hazards: Not Classified

2.2. Label elements
Pictogram
Signal word: Warning
Hazard statements: H319 Causes serious eye irritation.
Precautionary statements:
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves and eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
<th>CAS number</th>
<th>EC number</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SINGLE SUPERPHOSPHATE</td>
<td>10-30%</td>
<td>8011-76-5</td>
<td>232-379-5</td>
<td>01-2119488967-11-XXXXX</td>
</tr>
<tr>
<td>MAGNESIUM OXIDE</td>
<td>1-5%</td>
<td>1309-48-4</td>
<td>215-171-9</td>
<td></td>
</tr>
<tr>
<td>IRON (II) SULFATE (1:1) HEPTAHYDRATE</td>
<td>1-5%</td>
<td>7782-63-0</td>
<td>231-753-5</td>
<td>01-2119513203-57-XXXXX</td>
</tr>
<tr>
<td>SULPHURIC ACID</td>
<td>&lt;1%</td>
<td>7664-93-9</td>
<td>231-639-5</td>
<td></td>
</tr>
<tr>
<td>MANGANESE SULPHATE</td>
<td>&lt;1%</td>
<td>7785-87-7</td>
<td>232-089-9</td>
<td></td>
</tr>
</tbody>
</table>

Classification

- Eye Irrit. 2 - H319
- Xi; R41
- Not Classified
- Classification (67/548/EEC or 1999/45/EC)
- NC
- Acute Tox. 4 - H302
- Skin Irrit. 2 - H315
- Eye Irrit. 2 - H319
- Classification (67/548/EEC or 1999/45/EC)
- Xn; R22. Xi; R36/38
- Skin Corr. 1A - H314
- Eye Dam. 1 - H318
- Classification (67/548/EEC or 1999/45/EC)
- C; R35
- STOT RE 2 - H373
- Aquatic Chronic 2 - H411
- Classification (67/548/EEC or 1999/45/EC)
- Xn; R48/20/21/22. N; R51/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments
The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if symptoms are severe or persist.
GREENTEC 14-2-6 + 2MGO + FE

Ingestion
Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any symptoms develop.

Skin contact
Remove affected person from source of contamination. Take off immediately all contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

4.2. Most important symptoms and effects, both acute and delayed
Inhalation
There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion
There may be soreness and redness of the mouth and throat.

Skin contact
Skin contact may cause redness and irritation.

Eye contact
Irritation and redness, followed by blurred vision. Profuse watering of the eyes. May cause permanent damage.

4.3. Indication of any immediate medical attention and special treatment needed
Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media
None known.

5.2. Special hazards arising from the substance or mixture
Hazardous combustion products
Toxic gases or vapours.

5.3. Advice for firefighters
Protective actions during firefighting
No specific firefighting precautions known. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions
Environmental precautions
Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Stop leak if safe to do so. Collect spillage. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections
Reference to other sections
Collect and dispose of spillage as indicated in Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Open container with care to avoid generating dust. Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Advice on general occupational hygiene
Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

MAGNESIUM OXIDE
Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ fume and respirable dust as Mg
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust as Mg

SULPHURIC ACID
Long-term exposure limit (8-hour TWA): WEL 0.05 mg/m³ mist (thoracic fraction)

MANGANESE SULPHATE
Long-term exposure limit (8-hour TWA): WEL 0.5 mg/m³ respirable dust

WEL = Workplace Exposure Limit

SINGLE SUPERPHOSPHATE (CAS: 8011-76-5)

DNEL
Workers - Inhalation; Long term systemic effects: 3.1 mg/m³
Workers - Dermal; Long term systemic effects: 17.4 mg/kg/day
General population - Inhalation; Long term systemic effects: 0.9 mg/m³
General population - Oral; Long term systemic effects: 2.1 mg/kg/day
General population - Dermal; Long term systemic effects: 10.4 mg/kg/day

PNEC
- Fresh water;  1.7 mg/l
- Marine water;  0.17 mg/m³
- Intermittent release;  17 mg/l
- STP;  10 mg/l

MANGANESE SULPHATE (CAS: 7785-87-7)

DNEL
Workers - Dermal; systemic effects: 0.00414 mg/kg/day
Workers - Inhalation; systemic effects: 0.2 mg/m³
Consumer - Dermal; systemic effects: 0.0021 mg/kg/day
Consumer - Inhalation; systemic effects: 0.043 mg/m³
GREENTEC 14-2-6 + 2MGO + FE

PNEC
- Fresh water; 0.0128 mg/l
- Marine water; 0.0004 mg/l
- Sediment (Freshwater); 0.0114 mg/kg
- Sediment (Marine water); 0.0014 mg/kg
- Soil; 25.1 mg/kg
- STP; 56 mg/l

8.2. Exposure controls

Protective equipment

Provide adequate ventilation.

Appropriate engineering controls

The following protection should be worn: Chemical splash goggles or face shield. Provide eyewash station.

Eye/face protection

Wear protective gloves.

Hand protection

Wear appropriate clothing to prevent any possibility of skin contact.

Other skin and body protection

Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Granules.

Colour
Brown.

Odour
Slightly ammoniacal

Odour threshold
No information available.

pH
pH (diluted solution): > 4.5 - 6 100g/L

Melting point
No information available.

Initial boiling point and range
No information available.

Flash point
Mixture not classed as flammable

Evaporation rate
No information available.

Evaporation factor
No information available.

Flammability (solid, gas)
Not applicable.

Upper/lower flammability or explosive limits
Not applicable.

Vapour pressure
No information available.

Vapour density
No information available.
Relative density

No information available.

Bulk density

~ 900 - 1100 kg/m³

Solubility(ies)

Soluble in water.

Partition coefficient

No information available.

Auto-ignition temperature

No information available.

Decomposition Temperature

No information available.

Viscosity

No information available.

Explosive properties

Not considered to be explosive.

Oxidising properties

Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information

No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product. Stable under recommended transport or storage conditions.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid

Avoid heat.

10.5. Incompatible materials

Materials to avoid


10.6. Hazardous decomposition products

Hazardous decomposition products

In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

No information available.

Acute toxicity - oral

ATE oral (mg/kg)

46,693.19

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Ingestion

There may be soreness and redness of the mouth and throat.

Skin contact

May cause skin irritation.

Eye contact

There may be irritation and redness. Profuse watering of the eyes.
SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
GREENTEC 14-2-6 + 2MGO + FE

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 18/05/2016

Revision 5

Supersedes date 12/10/2015

SDS number 20287

Risk phrases in full

R22 Harmful if swallowed.
R35 Causes severe burns.
R36/38 Irritating to eyes and skin.
R41 Risk of serious damage to eyes.

Hazard statements in full

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.