SAFETY DATA SHEET
MULTIGREEN MINI 12-0-43

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

1.1. Product identifier

Product name: MULTIGREEN MINI 12-0-43
Product number: CRF006/25

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: Not Classified
Environmental hazards: Not Classified

2.2. Label elements

Hazard statements: NC Not Classified

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
MULTIGREEN MINI 12-0-43

POTASSIUM NITRATE 0-95%
CAS number: 7757-79-1 EC number: 231-818-8 REACH registration number: 01-2119488224-35-XXXX

Classification
Ox. Sol. 3 - H272

Classification (67/548/EEC or 1999/45/EC)
O; R8. E; R9

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 any discomfort continues.

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

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
Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information
Treat symptomatically.

Inhalation
May cause respiratory system irritation.

Ingestion
May cause discomfort if swallowed. Nausea, vomiting. Diarrhoea.

Skin contact
Prolonged skin contact may cause redness and irritation.

Eye contact
May cause temporary eye irritation.

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 and corrosive gases or vapours. Nitrous gases (NOx). Oxides of potassium.

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

SECTION 6: Accidental release measures
MULTIGREEN MINI 12-0-43

6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**

Provide adequate ventilation. 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. Scoop/sweep/shovel spill into closing containers. 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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

**Usage precautions**

Provide adequate ventilation. Open container with care to avoid generating dust. 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.

7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**


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

**POTASSIUM NITRATE (CAS: 7757-79-1)**

<table>
<thead>
<tr>
<th>DNEL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>General population - Oral;</td>
<td>12.5 mg/kg/day</td>
</tr>
<tr>
<td>Workers - Dermal;</td>
<td>20.8 mg/kg/day</td>
</tr>
<tr>
<td>General population - Dermal;</td>
<td>12.5 mg/kg/day</td>
</tr>
<tr>
<td>Workers - Inhalation;</td>
<td>36.7 mg/m³</td>
</tr>
<tr>
<td>General population - Inhalation;</td>
<td>10.9 mg/m³</td>
</tr>
</tbody>
</table>

**PNEC**

- Fresh water; Long term 0.45 mg/l
- Marine water; Long term 0.045 mg/l
- Water; Short term 4.5 mg/l
- STP; Long term 18 mg/l

8.2. Exposure controls

**Protective equipment**

Provide adequate ventilation.

**Appropriate engineering controls**

- **Appropriate engineering controls**
  - Provide adequate ventilation.
MULTIGREEN MINI 12-0-43

Eye/face protection
Wear chemical splash goggles. Provide eyewash station.

Hand protection
Wear protective gloves made of the following material: Butyl rubber. Neoprene. Rubber (natural, latex).

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Granules.</td>
</tr>
<tr>
<td>Colour</td>
<td>White.</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight.</td>
</tr>
<tr>
<td>Odour threshold</td>
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</tr>
<tr>
<td>pH</td>
<td>No information available.</td>
</tr>
<tr>
<td>Melting point</td>
<td>&gt;210°C</td>
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<tr>
<td>Initial boiling point and range</td>
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<td>Flash point</td>
<td>Mixture not classed as flammable</td>
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<tr>
<td>Evaporation rate</td>
<td>No information available.</td>
</tr>
<tr>
<td>Evaporation factor</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>explosive limits</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>900-1200 kg/m3</td>
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<tr>
<td>Bulk density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
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</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No information available.</td>
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<tr>
<td>Viscosity</td>
<td>No information available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not considered to be explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not an oxidising solid of UN Division 5.1</td>
</tr>
</tbody>
</table>

9.2. Other information
MULTIGREEN MINI 12-0-43

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 normal conditions.

10.2. Chemical stability
Stability
Stable at normal ambient temperatures. Stable under normal conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
No potentially hazardous reactions known.

10.4. Conditions to avoid
Conditions to avoid
High temperature. Unstable when exposed to moisture.

10.5. Incompatible materials
Materials to avoid

10.6. Hazardous decomposition products
Hazardous decomposition products
Nitrous gases (NOx). Oxides of potassium.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects
No information available.

Inhalation

Ingestion
May cause discomfort if swallowed. Large quantities - bloody bowel movement.

Skin contact
May cause skin irritation.

Eye contact
May cause eye irritation.

SECTION 12: Ecological Information

Ecotoxicity
Not regarded as dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability
Persistence and degradability
No information available.

12.3. Bioaccumulative potential
Bioaccumulative potential
No information available.

Partition coefficient
No information available.

12.4. Mobility in soil
Mobility
No information available.

12.5. Results of PBT and vPvB assessment
MULTIGREEN MINI 12-0-43

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments Supplier contact and emergency contact details updated.

Revision date 04/09/2015
MULTIGREEN MINI 12-0-43

Revision 5

Supersedes date 24/06/2015

Risk phrases in full Not classified.

Hazard statements in full H272 May intensify fire; oxidiser.

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.