



## SAFETY DATA SHEET MULTIGREEN MINI 24-0-24

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

#### 1.1. Product identifier

**Product name** MULTIGREEN MINI 24-0-24  
**Product number** CRF007

#### 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 Windscheffel

#### 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

**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

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<b>POTASSIUM NITRATE</b>		<b>0-45%</b>
CAS number: 7757-79-1	EC number: 231-818-8	REACH registration number: 01-2119488224-35-XXXX
<b>Classification</b> Ox. Sol. 3 - H272	<b>Classification (67/548/EEC or 1999/45/EC)</b> 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

<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	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.
<b>Skin contact</b>	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.
<b>Eye contact</b>	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

<b>General information</b>	Treat symptomatically.
<b>Inhalation</b>	May cause respiratory system irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	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

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding environment.
<b>Unsuitable extinguishing media</b>	No unsuitable extinguishing media known.

#### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products** Toxic and corrosive gases or vapours. Nitrous gases (NO<sub>x</sub>). 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.

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### SECTION 6: Accidental release measures

#### 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 possible without risk. 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** Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat sources, combustible materials. Keep away from oxidisers and strong alkalis.

#### 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)

<b>DNEL</b>	General population - Oral; : 12.5 mg/kg/day
	Workers - Dermal; : 20.8 mg/kg/day
	General population - Dermal; : 12.5 mg/kg/day
	Workers - Inhalation; : 36.7 mg/m <sup>3</sup>
	General population - Inhalation; : 10.9 mg/m <sup>3</sup>
<b>PNEC</b>	- 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



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<b>Appropriate engineering controls</b>	Ensure there is sufficient ventilation of the area.
<b>Eye/face protection</b>	Wear chemical splash goggles. Provide eyewash station.
<b>Hand protection</b>	Wear protective gloves made of the following material: Butyl rubber. Neoprene. Rubber (natural, latex).
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	DO NOT SMOKE IN WORK AREA! Wash hands 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.
<b>Respiratory protection</b>	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

<b>Appearance</b>	Granules.
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	No information available.
<b>pH</b>	No information available.
<b>Melting point</b>	>210°C
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	Mixture not classed as flammable
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	No information available.
<b>Vapour density</b>	No information available.
<b>Relative density</b>	No information available.
<b>Bulk density</b>	900-1200 kg/m <sup>3</sup>
<b>Solubility(ies)</b>	No information available.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Explosive properties</b>	Not considered to be explosive.

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**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 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** Flammable/combustible materials. Reducing agents. Powdered metal. Strong acids. Organic material.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Toxic gases/vapours/fumes of: Nitrous gases (NOx). Oxides of potassium.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

**Inhalation** May cause irritation. Gastrointestinal discomfort. Vomiting. Nausea. Diarrhoea.

**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

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**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 MARPOL73/78 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

**EU legislation** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**MULTIGREEN MINI 24-0-24**

<b>Revision comments</b>	Supplier contact and emergency contact details updated.
<b>Revision date</b>	04/09/2015
<b>Revision</b>	5
<b>Supersedes date</b>	23/06/2015
<b>Risk phrases in full</b>	Not classified.
<b>Hazard statements in full</b>	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.