



## SAFETY DATA SHEET MULTIGREEN 627 20-0-32

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

#### 1.1. Product identifier

Product name                      MULTIGREEN 627 20-0-32  
Product number                    CRF001/25

#### 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.  
    1-3 Freeman Court  
    Jarman Way  
    Royston  
    Hertfordshire  
    SG8 5HW  
    +44 (0)1763 255550  
    sds@headlandamenity.com

Contact person                      Wendy Johnson

#### 1.4. Emergency telephone number

Emergency telephone              +44 (0)1763 255550 (09.00 - 17.00 GMT Monday - Friday)

National emergency telephone number    111

### 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

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<b>POTASSIUM NITRATE</b>		<b>0-70%</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		

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical attention immediately.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if symptoms are severe or persist.
<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 irritation persists after washing.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately.

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

<b>General information</b>	Treat symptomatically.
<b>Inhalation</b>	Decomposition products may be a hazard to health.
<b>Ingestion</b>	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Direct contact with the eyes is likely to be irritating.

#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations. Treat symptomatically. If in doubt, get medical attention promptly.
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### 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 fire.
<b>Unsuitable extinguishing media</b>	None known.

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

<b>Hazardous combustion products</b>	Thermal decomposition can lead to release of irritating gases and vapours. Nitrous gases (NOx). Oxides of sulphur.
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#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known. Move containers from fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses.
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**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** Provide adequate ventilation. Avoid generation of dust. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing. No smoking, sparks, flames or other sources of ignition near spillage.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid dust formation. 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** For personal protection, see Section 8. 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 contact with skin, eyes and clothing. Avoid spilling. Wash hands thoroughly after handling.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

#### 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. Keep away from combustible materials. Protect from sunlight.

#### 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)

DNEL	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>
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

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### Protective equipment



**Appropriate engineering controls**

Provide adequate ventilation.

**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. Particulate filter, type P2.

### 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>	log Pow: <1
<b>Auto-ignition temperature</b>	No information available.

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<b>Decomposition Temperature</b>	400°C
<b>Viscosity</b>	No information available.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Classified as a product with no oxidizing properties based on the TNO report with serial number TNO-DV 2011 C268 (conducted by TNO in The Netherlands). This test has been performed in accordance with the criteria laid down in the United Nations Recommendations on Transport of Dangerous Goods, Manual of Tests and Criteria, fifth revised edition, section 34.4.1.4.

### 9.2. Other information

<b>Other information</b>	No information required.
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## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

<b>Reactivity</b>	Thermal decomposition generates : Ammonia, nitrogen oxides (NOx) and sulphur oxides.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures. Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid generation and spreading of dust. Avoid heat. Avoid moisture.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Flammable/combustible materials. Strong acids. Strong alkalis. Strong oxidising agents.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	None under normal conditions.
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## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	No information available.
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<b>Inhalation</b>	Decomposition products may be a hazard to health.
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<b>Ingestion</b>	May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
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<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
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<b>Eye contact</b>	Direct contact with the eyes is likely to be irritating.
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## **SECTION 12: Ecological information**

<b>Ecotoxicity</b>	Not regarded as dangerous for the environment.
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### 12.1. Toxicity

### 12.2. Persistence and degradability

<b>Persistence and degradability</b>	No information available.
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### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is unlikely.

**Partition coefficient** log Pow: <1

### 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 this material and its container to hazardous or special waste collection point.

## 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** Not applicable.

**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

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

**MULTIGREEN 627 20-0-32****SECTION 16: Other information**

<b>Revision comments</b>	Supplier company address updated. Emergency contact details updated. NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	28/05/2021
<b>Revision</b>	6
<b>Supersedes date</b>	04/09/2015
<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.