



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.
 1-3 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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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		

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

Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical attention immediately.
Ingestion	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.
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 irritation persists after washing.
Eye contact	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

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

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

Notes for the doctor	No specific recommendations. Treat symptomatically. If in doubt, get medical attention promptly.
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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	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

Protective actions during firefighting	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 ³
	General population - Inhalation; : 10.9 mg/m ³
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

Appearance	Granules.
Colour	Brown.
Odour	No characteristic odour.
Odour threshold	No information available.
pH	No information available.
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	No information available.
Solubility(ies)	No information available.
Partition coefficient	log Pow: <1
Auto-ignition temperature	No information available.

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Decomposition Temperature	400°C
Viscosity	No information available.
Explosive properties	Not considered to be explosive.
Oxidising properties	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

Other information	No information required.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Thermal decomposition generates : Ammonia, nitrogen oxides (NOx) and sulphur oxides.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures. Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid generation and spreading of dust. Avoid heat. Avoid moisture.
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10.5. Incompatible materials

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

Hazardous decomposition products	None under normal conditions.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Ecotoxicity	Not regarded as dangerous for the environment.
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12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability	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 MINI 12-0-43**SECTION 16: Other information**

Revision comments	Supplier company address updated. Emergency contact details updated. NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	07/06/2021
Revision	6
Supersedes date	04/09/2015
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.