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

1.1. Product identifier

Product name: BLAUKORN 15-3-20+2MGO+TE
Product number: CTR002/25

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
BLAUKORN 15-3-20+2MGO+TE

AMMONIUM NITRATE 10-45%
CAS number: 6484-52-2
EC number: 229-347-8
REACH registration number: 01-2119490981-27-XXXX
Classification
Ox. Liq. 2 - H272
Eye Irrit. 2 - H319

Classification (67/548/EEC or 1999/45/EC)
Xi; R36. O; R8.

DISODIUM TETRABORATE PENTAHYDRATE < 0.2%
CAS number: 12179-04-3
EC number: 215-540-4
REACH registration number: 01-2119490790-32-XXXX
Classification
Eye Irrit. 2 - H319
Repr. 1B - H360FD

Classification (67/548/EEC or 1999/45/EC)
Xi; R36. Repr. Cat. 1 R60, R61

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. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.

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

Inhalation: May cause respiratory system irritation.

Ingestion: May cause discomfort if swallowed. Ingestion may provoke the following symptoms - methaemoglobinemia.

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 Water.


5.2. Special hazards arising from the substance or mixture
BLAUKORN 15-3-20+2MGO+TE

Hazardous combustion products
Thermal decomposition or combustion products may include the following substances: Oxides of nitrogen. Ammonia.

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

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. 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
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 acids, oxidising agents. 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

AMMONIUM NITRATE (CAS: 6484-52-2)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td></td>
</tr>
<tr>
<td>Workers - Inhalation; local effects</td>
<td>37.3 mg/m³</td>
</tr>
<tr>
<td>Workers - Dermal; local effects</td>
<td>21.3 mg/kg</td>
</tr>
<tr>
<td>Consumer - Oral; local effects</td>
<td>12.8 mg/kg</td>
</tr>
<tr>
<td>Consumer - Inhalation; local effects</td>
<td>11.1 mg/m³</td>
</tr>
<tr>
<td>PNEC</td>
<td></td>
</tr>
<tr>
<td>Fresh water</td>
<td>0.45 mg/l</td>
</tr>
<tr>
<td>Marine water</td>
<td>0.045 mg/l</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
BLAUKORN 15-3-20+2MGO+TE

Protective equipment

Appropriate engineering controls
Provide adequate ventilation.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. Provide eyewash station.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

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

Appearance
Granules.

Colour
Blue.

Odour
No characteristic odour.

Odour threshold
No information available.

pH
pH (diluted solution): ~ 5 100,00 g/l @ 20oC

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
~ 1.150 kg/m³

Solubility(ies)
Soluble in water.

Partition coefficient
No information available.
BLAUKORN 15-3-20+2MGO+TE

Auto-ignition temperature  No information available.
Decomposition Temperature  130°C
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 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  Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

10.6. Hazardous decomposition products
Hazardous decomposition products  Nitrous gases (NOx). Ammonia.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects  No information available.
Skin corrosion/irritation
Serious eye damage/irritation
Serious eye damage/irritation  Rabbit. Result: non-irritant, OECD Test Guideline 405.
Respiratory sensitisation
Respiratory sensitisation  Not sensitising.
Skin sensitisation
Skin sensitisation  Not sensitising.
Inhalation  May cause irritation.
BLAUKORN 15-3-20+2MGO+TE

Ingestion  May cause discomfort if swallowed.
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
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
BLAUKORN 15-3-20+2MGO+TE

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
EU legislation

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
Revision 4
Supersedes date 30/06/2015
Risk phrases in full R8 Contact with combustible material may cause fire.
R36 Irritating to eyes.
R60 May impair fertility.
R61 May cause harm to the unborn child.
Hazard statements in full H272 May intensify fire; oxidiser.
H319 Causes serious eye irritation.
H360FD May damage fertility. May damage the unborn child.

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.