



## SAFETY DATA SHEET

### BLAUKORN 15-3-20+2MGO+TE

#### 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.  
     1-3 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

**BLAUKORN 15-3-20+2MGO+TE**

<b>AMMONIUM NITRATE</b>			<b>10-45%</b>
CAS number: 6484-52-2	EC number: 229-347-8	REACH registration number: 01-2119490981-27-XXXX	
<b>Classification</b>			
Ox. Liq. 2 - H272			
Eye Irrit. 2 - H319			
<b>DISODIUM TETRABORATE PENTAHYDRATE</b>			<b>&lt; 0.2%</b>
CAS number: 12179-04-3	EC number: 215-540-4	REACH registration number: 01-2119490790-32-XXXX	
<b>Classification</b>			
Eye Irrit. 2 - H319			
Repr. 1B - H360FD			

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>	Move affected person to fresh air at once. Get medical attention. In case of lung irritation, first treatment with dexamethasone aerosol (spray).
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
<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>Inhalation</b>	May cause respiratory system irritation. Pneumonia. Lung oedema.
<b>Ingestion</b>	May cause discomfort if swallowed. Ingestion may provoke the following symptoms - methaemoglobinemia.
<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**

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Water.
<b>Unsuitable extinguishing media</b>	Foam. Dry chemicals. Carbon dioxide (CO2). Sand.

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

## BLAUKORN 15-3-20+2MGO+TE

**Hazardous combustion products** Thermal decomposition can lead to release of irritating gases and vapours. Nitrous gases (NO<sub>x</sub>). 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. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## 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. Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate.

### 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. Avoid the spillage or runoff entering drains, sewers or watercourses. Flush contaminated area with plenty of water. The contaminated water must be collected and removed for treatment or disposal.

### 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. Keep away from heat.

**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 strong acids. Keep away from strong bases. Protect from sunlight. Protect from moisture.

**Storage class** Ammonium nitrate and ammonium nitrate-containing preparations

### 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)

**DNEL** Workers - Inhalation; Long term systemic effects: 36 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 5.12 mg/kg  
 Consumer - Oral; Long term systemic effects: 2.56 mg/kg  
 Consumer - Inhalation; Long term systemic effects: 8.9 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 2.56 mg/kg

**BLAUKORN 15-3-20+2MGO+TE**

<b>PNEC</b>	- Fresh water; 0.45 mg/l - marine water; 0.045 mg/l STP; 18 mg/l
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**DISODIUM TETRABORATE PENTAHYDRATE (CAS: 12179-04-3)**

<b>DNEL</b>	Workers - Inhalation; Long term : 6.7 mg/m <sup>3</sup> Consumer - Inhalation; Long term : 3.4 mg/m <sup>3</sup> Workers - Dermal; Long term : 316.4 mg/kg Consumer - Dermal; Long term : 159.5 mg/kg Consumer - Oral; Long term : 0.79 mg/kg Consumer - Oral; Short term : 0.79 mg/kg
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<b>PNEC</b>	Fresh water; 2.9 mg/l marine water; 2.9 mg/l Soil; 5.7 mg/kg Intermittent release; 13.7 mg/l STP; 10 mg/l
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**8.2. Exposure controls****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. Particulate filters should comply with European Standard EN143. Particulate filter, type P1.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Granules.
<b>Colour</b>	Blue.
<b>Odour</b>	No characteristic odour.
<b>Odour threshold</b>	No information available.
<b>pH</b>	pH (diluted solution): ~ 5 (100 g/l @ 20oC)

## BLAUKORN 15-3-20+2MGO+TE

<b>Melting point</b>	No information available.
<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>	~ 1.150 kg/m <sup>3</sup>
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	log Pow: -3.1
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	>130°C
<b>Viscosity</b>	No information available.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	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** Evolution of ammonia under influence of alkalies.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid frost. Avoid exposure to high temperatures or direct sunlight. Avoid moisture.

### 10.5. Incompatible materials

**Materials to avoid** Sulphur. Chlorites. Chloride. Chlorates. Hypochlorites. Acid-reactive materials. Alkaline-reactive materials. Flammable oxidizable substances. Nitrites. Metallic salts. Metallic powder. Herbicide. Chlorinated hydrocarbons. Organic compounds.

### 10.6. Hazardous decomposition products

## BLAUKORN 15-3-20+2MGO+TE

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

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Rabbit. Result: non-irritant, OECD Test Guideline 405.

#### Reproductive toxicity

**Reproductive toxicity - fertility** This substance has no evidence of toxicity to reproduction.

**Reproductive toxicity - development** This substance has no evidence of toxicity to reproduction.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

**Inhalation** May cause respiratory irritation. Pneumonia. Lung oedema.

**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.

### SECTION 12: Ecological information

#### 12.1. Toxicity

#### Ecological information on ingredients.

#### AMMONIUM NITRATE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: >100 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 490 mg/l, Daphnia magna  
LC<sub>50</sub>, : 490 mg/l,

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 10 days: 1.7 mg/l, Selenastrum capricornutum

#### DISODIUM TETRABORATE PENTAHYDRATE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 74 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 24 hours: 242 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>10</sub>, 96 hours: 24 mg/l, Scenedesmus subspicatus

#### 12.2. Persistence and degradability

## BLAUKORN 15-3-20+2MGO+TE

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is unlikely.

**Partition coefficient** log Pow: -3.1

### 12.4. Mobility in soil

**Mobility** Groundwater contamination is unlikely.

### 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 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**

**BLAUKORN 15-3-20+2MGO+TE**

No chemical safety assessment has been carried out.

**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>	04/05/2021
<b>Revision</b>	5
<b>Supersedes date</b>	04/09/2015
<b>SDS number</b>	20637
<b>Hazard statements in full</b>	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.