SAFETY DATA SHEET
TURFCOMPLEX

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

1.1. Product identifier
Product name: TURFCOMPLEX
Product number: BIO002/10, BIO002/100

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: EUH208 Contains ACTICIDE F1. May produce an allergic reaction.

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
**TURFCOMPLEX**

**ACTICIDE F1**

CAS number: —

Classification
- Skin Corr. 1B - H314
- Eye Dam. 1 - H318
- Skin Sens. 1 - H317

**SOLUBLE BORON**

CAS number: 12280-03-4  
EC number: 234-541-0  
REACH registration number: 01-2119490860-33-XXXX

Classification
- Repr. 1B - H360

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 if any discomfort continues.

**Skin contact**  Remove affected person from source of contamination. Take off contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact**  Rinse immediately with plenty of water. 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**  No specific symptoms known.

**Ingestion**  May cause discomfort if swallowed.

**Skin contact**  There may be mild irritation at the site of contact.

**Eye contact**  There may be irritation and redness.

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

**Notes for the doctor**  No specific recommendations.

**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**
**TURFCOMPLEX**

**Hazardous combustion products**
In combustion emits toxic fumes.

**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.

**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**
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. Absorb in vermiculite, dry sand or earth and place into 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.

**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. Protect from frost.

**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**

**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
Wear protective gloves. Acid-resistant protective gloves.

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. When using do not eat, drink or smoke. Use appropriate skin cream to prevent drying of skin.

Respiratory protection
No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

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**SECTION 9: Physical and Chemical Properties**

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Liquid.</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Dark brown.</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>pH (concentrated solution): 7.0 - 9.0</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Mixture not classed as flammable</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Evaporation factor</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>$1.14 +/− 0.02$</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Partition coefficient</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>Not considered to be explosive.</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>Does not meet the criteria for classification as oxidising.</td>
</tr>
</tbody>
</table>

9.2. Other information

<table>
<thead>
<tr>
<th>Other information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Other information</strong></td>
<td>No information required.</td>
</tr>
</tbody>
</table>

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**SECTION 10: Stability and reactivity**

10.1. Reactivity

**Reactivity**
Stable under recommended transport or storage conditions.

10.2. Chemical stability

**Stability**
Stable under normal conditions.
10.3. Possibility of hazardous reactions

Possibility of hazardous reactions
Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid
Conditions to avoid
Extreme temperatures.

10.5. Incompatible materials
Materials to avoid
Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products
Hazardous decomposition products
In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects
No information available.

Inhalation
No specific symptoms known.

Ingestion
May cause irritation.

Skin contact
There may be mild irritation at the site of contact.

Eye contact
There may be irritation and redness.

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.
TURFCOMPLEX

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
EU legislation

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments
Revised classification.

Revision date
10/08/2016

Revision
6

Supersedes date
19/05/2016

SDS number
20329

Hazard statements in full
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H360 May damage fertility or the unborn child.
EUH208 Contains ACTICIDE F1. May produce an allergic reaction.
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.