SAFETY DATA SHEET
XTEND SOLUBLE 46-0-0

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

1.1. Product identifier

Product name: XTEND SOLUBLE 46-0-0
Product number: SLF001/20

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

Composition comments: The data shown are in accordance with the latest EC Directives. No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

SECTION 4: First aid measures

4.1. Description of first aid measures
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**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.

**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**
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**
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### 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.
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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

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

Occupational exposure limits

N-METHYL-2-PYRROLIDONE
Long-term exposure limit (8-hour TWA): WEL 10 ppm  40 mg/m³
Short-term exposure limit (15-minute):  WEL 20 ppm  80 mg/m³
Sk
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

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.
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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>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Granules.</td>
</tr>
<tr>
<td>Colour</td>
<td>Blue, green and white micro-granules</td>
</tr>
<tr>
<td>Odour</td>
<td>Mild. Slightly sulphurous.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No information available.</td>
</tr>
<tr>
<td>( pH )</td>
<td>( p \text{H}(\text{diluted solution}) : 6.5 \text{ at} 100\text{g/l} )</td>
</tr>
<tr>
<td>Melting point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Mixture not classed as flammable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available.</td>
</tr>
<tr>
<td>Evaporation factor</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No information available.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>( 0.76 @ ^\circ \text{C} )</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No information available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>(130^\circ\text{C} )</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not considered to be explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Does not meet the criteria for classification as oxidising.</td>
</tr>
</tbody>
</table>

#### 9.2. 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.
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10.4. Conditions to avoid
Conditions to avoid  Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials
Materials to avoid  Strong acids. Strong alkalis. Oxidising agents.

10.6. Hazardous decomposition products
Hazardous decomposition products  Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

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

Inhalation  May cause irritation.
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  Bioaccumulation is unlikely.
Partition coefficient  No information available.

12.4. Mobility in soil
Mobility  The product is soluble in water.

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).
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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
Supplier contact and emergency contact details updated.

Revision date
07/09/2015

Revision
4

Supersedes date
25/06/2015

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