# SAFETY DATA SHEET
## H-COTE MINI 10-5-14

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

<table>
<thead>
<tr>
<th>1.1. Product identifier</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>H-COTE MINI 10-5-14</td>
</tr>
</tbody>
</table>

| 1.2. Relevant identified uses of the substance or mixture and uses advised against |
|----------------------------------|------------------|
| Identified uses                  | Fertiliser for use on managed amenity turf |

<table>
<thead>
<tr>
<th>1.3. Details of the supplier of the safety data sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplier</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
</tr>
<tr>
<td>Tel.</td>
</tr>
<tr>
<td><a href="mailto:sds.enquiries@headlandamenity.com">sds.enquiries@headlandamenity.com</a></td>
</tr>
<tr>
<td>Contact person</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.4. Emergency telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency telephone</td>
</tr>
</tbody>
</table>

### SECTION 2: Hazards identification

<table>
<thead>
<tr>
<th>2.1. Classification of the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Classification (EC 1272/2008)</strong></td>
</tr>
<tr>
<td>Physical hazards</td>
</tr>
<tr>
<td>Health hazards</td>
</tr>
<tr>
<td>Environmental hazards</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.2. Label elements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pictogram</strong></td>
</tr>
<tr>
<td>![Pictogram Icon]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Signal word</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Hazard statements</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>H315 Causes skin irritation.</td>
</tr>
<tr>
<td>H319 Causes serious eye irritation.</td>
</tr>
</tbody>
</table>
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Precautionary statements
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves, protective clothing and eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

Supplementary precautionary statements
P501 Dispose of contents/container in accordance with national regulations.

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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS number</th>
<th>EC number</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>XCU 41-0-0</td>
<td>—</td>
<td>232-379-5</td>
<td>01-2119488967-11-XXXX</td>
</tr>
<tr>
<td>SINGLE SUPERPHOSPHATE</td>
<td>8011-76-5</td>
<td>232-379-5</td>
<td>01-2119488967-11-XXXX</td>
</tr>
<tr>
<td>AMMONIUM SULPHATE</td>
<td>7783-20-2</td>
<td>231-984-1</td>
<td>01-2119455044-46-XXXX</td>
</tr>
<tr>
<td>CALCIUM SULPHATE DEHYDRATE</td>
<td>7778-18-9</td>
<td>231-900-3</td>
<td>01-2119444918-26-XXXX</td>
</tr>
</tbody>
</table>

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Classification (67/548/EEC or 1999/45/EC) Xi; R41
Not Classified
H-COTE MINI 10-5-14

<table>
<thead>
<tr>
<th>IRON II SULPHATE</th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 7720-78-7</td>
<td>EC number: 231-753-5</td>
</tr>
</tbody>
</table>

**Classification**
- Acute Tox. 4 - H302
- Skin Irrit. 2 - H315
- Eye Irrit. 2 - H319

<table>
<thead>
<tr>
<th>SULPHURIC ACID</th>
<th>&lt;1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 7664-93-9</td>
<td>EC number: 231-639-5</td>
</tr>
</tbody>
</table>

**Classification**
- Skin Corr. 1A - H314
- Eye Dam. 1 - H318

**Classification (67/548/EEC or 1999/45/EC)**
- C; R35

<table>
<thead>
<tr>
<th>MANGANESE SULPHATE</th>
<th>&lt;1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 7785-87-7</td>
<td>EC number: 232-089-9</td>
</tr>
</tbody>
</table>

**Classification**
- STOT RE 2 - H373
- Aquatic Chronic 2 - H411

**Classification (67/548/EEC or 1999/45/EC)**
- Xn; R48/20/21/22. N; R51/53

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 symptoms are severe or persist.

**Ingestion**
Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any symptoms develop.

**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**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

4.2. Most important symptoms and effects, both acute and delayed

**Inhalation**
There may be irritation of the throat with a feeling of tightness in the chest.

**Ingestion**
There may be soreness and redness of the mouth and throat.

**Skin contact**
Skin contact may cause redness and irritation.

**Eye contact**
Irritation and redness, followed by blurred vision. Profuse watering of the eyes. May cause permanent damage.

4.3. Indication of any immediate medical attention and special treatment needed
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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
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.
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. Collect spillage. 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. Provide adequate ventilation. 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. Remove contaminated clothing and protective equipment before entering eating areas.

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.

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
AMMONIUM SULPHATE
Long-term exposure limit (8-hour TWA): WEL Total inhalable - 10 mg/m³ Respirable - 4 mg/m³ respirable dust
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CALCIUM SULPHATE DEHYDRATE
Long-term exposure limit (8-hour TWA): TWA 10 mg/m³ Plaster
Long-term exposure limit (8-hour TWA): TWA 4 mg/m³ Plaster

SULPHURIC ACID
Long-term exposure limit (8-hour TWA): WEL 0.05 mg/m³ mist (thoracic fraction)

MANGANESE SULPHATE
Long-term exposure limit (8-hour TWA): WEL 0.5 mg/m³ respirable dust
WEL = Workplace Exposure Limit

SINGLE SUPERPHOSPHATE (CAS: 8011-76-5)

DNEL
Workers - Inhalation; Long term systemic effects: 3.1 mg/m³
Workers - Dermal; Long term systemic effects: 17.4 mg/kg/day
General population - Inhalation; Long term systemic effects: 0.9 mg/m³
General population - Oral; Long term systemic effects: 2.1 mg/kg/day
General population - Dermal; Long term systemic effects: 10.4 mg/kg/day

PNEC
- Fresh water; 1.7 mg/l
- marine water; 0.17 mg/m³
- Intermittent release; 17 mg/l
- STP; 10 mg/l

MANGANESE SULPHATE (CAS: 7785-87-7)

DNEL
Workers - Dermal; systemic effects: 0.00414 mg/kg/day
Workers - Inhalation; systemic effects: 0.2 mg/m³
Consumer - Dermal; systemic effects: 0.0021 mg/kg/day
Consumer - Inhalation; systemic effects: 0.043 mg/m³

PNEC
- Fresh water; 0.0128 mg/l
- marine water; 0.0004 mg/l
- Sediment (Freshwater); 0.0114 mg/kg
- Sediment (Marinewater); 0.0014 mg/kg
- Soil; 25.1 mg/kg
- STP; 56 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate ventilation.

Eye/face protection
The following protection should be worn: Chemical splash goggles or face shield. Provide eyewash station.

Hand protection
Wear 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. 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
Mixture of light blue, yellow, green, white and brown granules.

Odour
Mild.

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)
Soluble in water.

Partition coefficient
No information available.

Auto-ignition temperature
No information available.

Decomposition Temperature
No information available.

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

No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity
There are no known reactivity hazards associated with this product. Stable under recommended transport or storage conditions.
10.2. Chemical stability
Stability Stable at normal ambient temperatures and when used as recommended.

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 Avoid heat.

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

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.

Acute toxicity - oral
ATE oral (mg/kg) 22,818.55

Inhalation There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Ingestion There may be soreness and redness of the mouth and throat.

Skin contact May cause skin irritation.

Eye contact There may be irritation and redness. Profuse watering of the eyes.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability
Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential
Bioaccumulative potential Bioaccumulation is unlikely.

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
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
This is the first issue.

Revision date
28/09/2018

Revision
1

SDS number
20531
H-COTE MINI 10-5-14

Hazard statements in full

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

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.