# 1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

<table>
<thead>
<tr>
<th>Chemical Family</th>
<th>Blend of alkoxy alkylene oxides on a cellulose carrier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Description</td>
<td>Grey granular material</td>
</tr>
<tr>
<td>Use of the Product</td>
<td>Turf Wetting Agent</td>
</tr>
<tr>
<td>Supplier Details</td>
<td>AmegA Sciences Inc. 1400 Hamlin Ave. St Cloud, FL 34771 USA /407-944-0453</td>
</tr>
<tr>
<td>Emergency Phone Numbers:</td>
<td>For emergencies involving a spill, leak, fire, exposure or accident, contact 407 944 0453 or 24 hours 407 552 8589</td>
</tr>
</tbody>
</table>

# 2. COMPOSITION / INFORMATION ON INGREDIENTS

Propietary blend of alkoxy alkylene oxides CAS No 9003-11-16 (9%) on a cellulose carrier

# 3. HAZARDS IDENTIFICATION

This product is not hazardous according to EC criteria.

# 4. FIRST AID MEASURES

**Inhalation**
Remove patient to fresh air.

**Skin Contact**
Flush with plenty of water and if irritation persists seek medical attention.

**Eye Contact**
Irrigate the eye with water or eye wash solution and seek medical attention.

**Ingestion**
If swallowed, rinse with water if the person is conscious. Consult a doctor.

**Notes to Physician**
Treat as symptomatic.

# 5. FIRE FIGHTING MEASURES

Material is not flammable, but if involved in a fire could give off carbon monoxide if incomplete combustion occurs.

**Suitable Extinguishing Media:** Dry chemical powder, carbon dioxide, alcohol resistant foam, water spray of fog, sand or earth.

**Special Fire Precautions:** Not available

**Hazardous Combustion Products:** Carbon monoxide may be given off if incomplete combustion occurs.

**Fire Fighting Equipment/Protocol:** Full protective clothing and self-contained breathing apparatus.

# 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Do not allow product to enter eyes. Avoid inhalation and skin contact.

**Environmental Precautions:**
Small spills; Avoid washings entering water courses
Large spills: dispose of according to local authority guidelines

**Methods for cleaning up:**
Small spills; use sand or any suitable medium
Absorb large spillages with sand or any suitable medium.
Refer to Section 13 for disposal of spilled material

# 7. HANDLING AND STORAGE

**Handling**
Avoid skin and eye contact

**Storage**
Store at ambient temperatures. Keep from freezing

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limit Values:** Not available

**Occupational Exposure Controls**

**Respiratory Protection**
Not necessary unless used in a confined space.

**Hand Protection**
Not essential but it is always advisable to wear gloves when handling chemicals

**Eye Protection**
Not essential but it is always advisable to wear goggles when handling chemicals

**Skin Protection**
Not essential but it is always advisable to wear suitable overalls when handling chemicals

**ENVIRONMENTAL EXPOSURE CONTROLS:**
Do not contaminate ponds, waterways, lakes or other water bodies.
Dispense of according to local authority guidelines.
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and Odour:</td>
<td>Grey granules, negligible</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>&gt;100°C</td>
</tr>
<tr>
<td>Bulk Density:</td>
<td>0.806 kg/l</td>
</tr>
<tr>
<td>pH</td>
<td>7 ± 1</td>
</tr>
<tr>
<td>pH of 0.5%:</td>
<td>7 ± 1.0</td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>Does not dissolve</td>
</tr>
<tr>
<td>Vapour Pressure:</td>
<td>Not measured</td>
</tr>
<tr>
<td>Explosive Properties:</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Co-Efficient (log Pow):</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour Point:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Oxidising Properties:</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition temperature:</td>
<td>&gt;220°C</td>
</tr>
<tr>
<td>Other information:</td>
<td>Not available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

- **Conditions to Avoid:** Extremes of temperature
- **Materials to Avoid:** Strong oxidising agents
- **Hazardous Decomposition Products:** None known

11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50 (rat)</td>
<td>LD50 &gt; 5000 mg/Kg</td>
</tr>
<tr>
<td>Skin Irritation</td>
<td>Not irritant</td>
</tr>
<tr>
<td>Inhalation LD50 (rat)</td>
<td>Expected to be of low toxicity. LC50 &gt; 5000 mg/Kg</td>
</tr>
<tr>
<td>Dermal LD50 (rabbit)</td>
<td>&gt; 2000 mg/Kg</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>Not a skin sensitizer</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May cause nausea. No toxic effect expected. Irritation to the digestive system can occur.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>May cause slight transient (temporary) eye irritation</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

- Figures quoted below are for the liquid which is sprayed on to the carrier.
- Persistence/degradability: Readily biodegradable - passes manometric test (OECD Test No.301f) after 28 days > 60%
- Bioaccumulation: Bioaccumulation is unlikely to occur due to metabolism and excretion
- Acute toxicity - fish: LC/EC/IC 50 > 5000 mg/l
- Acute toxicity - algae: LC/EC/IC 50 > 100 mg/l
- Acute toxicity - Daphnia: LC/EC/IC 50 > 100 mg/l
- Toxicity threshold for bacteria is 5,636 mg/l

13. DISPOSAL CONSIDERATIONS

- **Product:** Recover or recycle if possible
- **Container:** Drain container thoroughly. Rinse three times with water. Recover or recycle if possible.

14. TRANSPORT INFORMATION

- Product is not classified as hazardous for any mode of transport.

15. REGULATORY INFORMATION

- Symbol: R-phrases and S-phrases
- This product does not require classification according to the criteria of the Commission of the European Communities.

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating from AmegA Sciences or not. No warranty is implied. Since conditions of use are beyond AmegA Sciences control, user assumes all risk.