1. PRODUCT IDENTIFICATION

Product Name: APPEAR
EPA Signal Word: Caution
Product No.: A14658D

2. HAZARDS IDENTIFICATION

Health and Environmental
May be harmful in contact with skin. Causes mild eye irritation.

Hazardous Decomposition Products
None known.

Physical Properties
Appearance: Green liquid
Odor: None

Unusual Fire, Explosion and Reactivity Hazards
During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Material</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other</th>
<th>NTP/IARC/OSHA Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Phosphite (53.30%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
</tr>
</tbody>
</table>

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.
Syngenta Hazard Category: B

4. FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: Call Syngenta (800-888-8372), a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after calling 800-888-8372 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if
5. FIRE FIGHTING MEASURES

**Fire and Explosion**
- **Flash Point (Test Method):** Not Available
- **Flammable Limits (% in Air):** Lower: Not Applicable  Upper: Not Applicable
- **Autoignition Temperature:** Not Available
- **Flammability:** Not flammable

**Unusual Fire, Explosion and Reactivity Hazards**
During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

**In Case of Fire**
- Use dry chemical, foam or CO2 extinguishing media.
- Wear full protective clothing and self-contained breathing apparatus.
- Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.
- Prevent use of contaminated buildings, area, and equipment until decontaminated.
- Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

6. ACCIDENTAL RELEASE MEASURES

**In Case of Spill or Leak**
- Control the spill at its source.
- Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water.
- Clean up spills immediately, observing precautions outlined in Section 8.
- Cover entire spill with absorbing material and place into compatible disposal container.
- Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span).
- Pick up wash liquid with additional absorbent and place into compatible disposal container.
- Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THIS PRODUCT.**

**FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.**

**Ingestion:** Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

**Eye Contact:** Where eye contact is likely, use chemical splash goggles.

**Skin Contact:** Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and
chemical-resistant footwear.

Inhalation: A combination particulate/organic vapor respirator should be used until effective engineering controls are installed to comply with occupational exposure limits, or until exposure limits are established. Use a NIOSH certified respirator with an organic vapor (OV) cartridge or canister with any R, P or HE filter.

Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Green liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not pertinent</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>212 °F</td>
</tr>
<tr>
<td>Specific Gravity/Density</td>
<td>1.45 - 1.47</td>
</tr>
<tr>
<td>pH</td>
<td>6 - 6.5</td>
</tr>
<tr>
<td>Solubility in H₂O</td>
<td>Very soluble</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

- **Stability:** Stable under normal use and storage conditions.
- **Hazardous Polymerization:** Will not occur.
- **Conditions to Avoid:** None known.
- **Materials to Avoid:** Oxidizing materials.
- **Hazardous Decomposition Products:** None known.

### 11. TOXICOLOGICAL INFORMATION

#### Acute Toxicity/Irritation Studies (Finished Product)

- **Ingestion:** Oral (LD₅₀ Rat) : > 5000 mg/kg body weight
- **Dermal:** Dermal (LD₅₀ Rat) : > 4000 mg/kg body weight
- **Inhalation:** Inhalation (LC₅₀ Rat) : > 5.05 mg/l air - 4 hours
- **Eye Contact:** Mild Irritant
- **Skin Contact:** Not an Irritant
- **Skin Sensitization:** Not a Sensitizer (Guinea Pig)

#### Reproductive/Developmental Effects
- Potassium Phosphite: Not Available

#### Chronic/Subchronic Toxicity Studies
- Potassium Phosphite: Not Available

#### Carcinogenicity
- Potassium Phosphite: Not Available

#### Other Toxicity Information
- None
12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
Potassium Phosphite: Not Available

Environmental Fate
Potassium Phosphite: Not Available

13. DISPOSAL CONSIDERATIONS

Disposal
Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable
Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification
Ground Transport - NAFTA
Not regulated.

Comments
Water Transport - International
Not regulated.

Air Transport
Not regulated.

15. REGULATORY INFORMATION

EPCRA SARA Title III Classification
Section 311/312 Hazard Classes: Acute Health Hazard
Section 313 Toxic Chemicals: Not Applicable

California Proposition 65
This product does not contain chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

CERCLA/SARA 304 Reportable Quantity (RQ)
Not Applicable

RCRA Hazardous Waste Classification (40 CFR 261)
Not Applicable

TSCA Status
Exempt from TSCA, subject to FIFRA

### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA Hazard Ratings</th>
<th>HMIS Hazard Ratings</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health:</td>
<td>Health:</td>
<td>0</td>
</tr>
<tr>
<td>Flammability:</td>
<td>Flammability:</td>
<td>1</td>
</tr>
<tr>
<td>Instability:</td>
<td>Reactivity:</td>
<td>0</td>
</tr>
</tbody>
</table>

Replaces: 5/11/2012
Original Issued Date: 3/7/2012
Revision Date: 8/7/2012

For non-emergency questions about this product call:
1-800-334-9481

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

End of MSDS