1. PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>MAXIM XL FUNGICIDE</th>
<th>Product No.:</th>
<th>A10013A</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA Signal Word:</td>
<td>Caution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active Ingredient(%)</td>
<td>Fludioxonil (21.0%)</td>
<td>CAS No.:</td>
<td>131341-86-1</td>
</tr>
<tr>
<td>Chemical Name:</td>
<td>4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrrole-3-carbonitrile</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Class:</td>
<td>Substituted Benzodioxalcarbonitrile Fungicide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Active Ingredient(%)</td>
<td>Mefenoxam (8.4%)</td>
<td>CAS No.:</td>
<td>70630-17-0 &amp; 69516-34-3</td>
</tr>
<tr>
<td>Chemical Name:</td>
<td>(R.S)-2-[(2,6-dimethylphenyl)-methoxyacetamido]-propionic acid methyl ester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Class:</td>
<td>Phenylamide Fungicide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EPA Registration Number(s):</td>
<td>100-916</td>
<td>Section(s) Revised:</td>
<td>14</td>
</tr>
</tbody>
</table>

2. HAZARDS IDENTIFICATION

Health and Environmental
Harmful if inhaled. May be harmful if swallowed or in contact with skin. Causes mild eye and skin irritation.

Hazardous Decomposition Products
None known.

Physical Properties
Appearance: Tan liquid
Odor: Sweet, like latex paint

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>Ethylene Glycol (&lt; 10%)</td>
<td>Not Established</td>
<td>100 mg/m³ (ceiling) [aerosol]</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Mefenoxam (8.4%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>10 mg/m³ TWA ***</td>
<td>No</td>
</tr>
<tr>
<td>Fludioxonil (21.0%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>10 mg/m³ TWA ***</td>
<td>No</td>
</tr>
</tbody>
</table>

*** Syngenta Occupational Exposure Limit (OEL)

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 present, after 5 minutes, then continue rinsing eye. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

**Skin Contact:** If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

**Inhalation:** If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call Syngenta (800-888-8372), a poison control center or doctor for further treatment advice.

**Notes to Physician**

There is no specific antidote if this product is ingested.

Treat symptomatically.

**Medical Condition Likely to be Aggravated by Exposure**

None known.

### 5. FIRE FIGHTING MEASURES

**Fire and Explosion**

- **Flash Point (Test Method):** > 200°F
- **Flammable Limits (% in Air):** Lower: Not Applicable  Upper: Not Applicable
- **Autoignition Temperature:** Not Available
- **Flammability:** Not Applicable

**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 gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear.

Inhalation: A respirator is not normally required when handling this substance. Use effective engineering controls to comply with occupational exposure limits.

In case of emergency spills, use a NIOSH certified respirator with any N, R, P or HE filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Tan liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Sweet, like latex paint</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not Available</td>
</tr>
<tr>
<td>Specific Gravity/Density</td>
<td>1.102 g/cm³</td>
</tr>
<tr>
<td>pH</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

Solubility in H2O

<table>
<thead>
<tr>
<th>Compound</th>
<th>Solubility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fludioxonil</td>
<td>1.8 mg/l @ 77°F (25°C)</td>
</tr>
<tr>
<td>Mefenoxam</td>
<td>26 g/l @ 77°F (25°C)</td>
</tr>
</tbody>
</table>

Vapor Pressure

<table>
<thead>
<tr>
<th>Compound</th>
<th>Vapor Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fludioxonil</td>
<td>2.9 x 10(-9) mmHg @ 77°F (25°C)</td>
</tr>
<tr>
<td>Mefenoxam</td>
<td>2.5 x 10(-5) mmHg @ 77°F (25°C)</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: None known.

Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies (Finished Product)

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion Oral</td>
<td>LD50 Rabbit : 2830 mg/kg body weight</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50 Rat : &gt; 2020 mg/kg body weight</td>
</tr>
<tr>
<td>Inhalation</td>
<td>LC50 Rat : &gt; 2.7 mg/l air - 4 hours</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Minimally Irritating (Rabbit)</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Slightly Irritating (Rabbit)</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>Not a Sensitizer (Guinea Pig)</td>
</tr>
</tbody>
</table>

Reproductive/Developmental Effects

Fludioxonil: Delayed development at doses causing maternal toxicity.

Mefenoxam: None observed.
12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
Mefenoxam:
- Fish (Rainbow Trout) 96-hour LC50 > 121 ppm
- Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 > 113 ppm
- Bird (Bobwhite Quail) 14-day LD50 981 mg/kg
Fludioxonil:
- Fish (Rainbow Trout) 96-hour LC50 0.47 ppm
- Green Algae 5-day EC50 0.087 ppm
- Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 0.9 ppm
- Bird (Bobwhite Quail) 14-day LD50 > 2000 mg/kg

Environmental Fate
Fludioxonil:
- The information presented here is for the active ingredient, fludioxonil.
Mefenoxam:
- The information presented here is for the active ingredient, mefenoxam.
- Does not bioaccumulate. Not persistent in soil or water. Moderate mobility in soil. Mixes/sinks (after 24 h).

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
14. TRANSPORT INFORMATION

DOT Classification
  Ground Transport - NAFTA
  Not regulated.
  Note: Packages imported into the US and packages prepared for export will be shipped under the IMDG (water) Classification.

Comments
  Water Transport - International
  Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Fludioxonil), Marine Pollutant
  Hazard Class: Class 9
  Identification Number: UN 3082
  Packing Group: PG III

  Air Transport - International
  Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Fludioxonil)
  Hazard Class: Class 9
  Identification Number: UN 3082
  Packing Group: PG III
  Note: This product is currently not regulated for airfreight within the NAFTA region. However, effective 01/01/2011 the above classification must be used.

15. REGULATORY INFORMATION

EPCRA SARA Title III Classification
  Section 311/312 Hazard Classes: Acute Health Hazard
  Section 313 Toxic Chemicals: Ethylene Glycol (< 10%) (CAS No. 107-21-1)

California Proposition 65
  Not Applicable

CERCLA/SARA 302 Reportable Quantity (RQ)
  Report product spills > 9,400 gal. (based on ethylene glycol [RQ = 5,000 lbs.] content in the formulation)

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>
</tr>
</thead>
<tbody>
<tr>
<td>Health: 1</td>
<td>Health: 1</td>
</tr>
<tr>
<td>Flammability: 1</td>
<td>Flammability: 1</td>
</tr>
<tr>
<td>Instability: 0</td>
<td>Reactivity: 0</td>
</tr>
</tbody>
</table>

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

Original Issued Date: 8/14/1998
Revision Date: 8/11/2010
Replaces: 8/17/2009

Listed Waste: Not Applicable

Product Name: MAXIM XL FUNGICIDE
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