1. PRODUCT IDENTIFICATION

Product Name: **MAXIM POTATO SEED PROTECTANT N.B.**

EPA Signal Word: Caution

Active Ingredient(%): Fludioxonil (0.5%)

Chemical Name: 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile

Chemical Class: Substituted Benzodioxalcarbonitrile Fungicide

EPA Registration Number(s): 100-821

2. 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>Crystalline Silica, Quartz</td>
<td>10 mg/m³ (%SiO2+2) (respirable dust)</td>
<td>0.05 mg/m³ (respirable silica)</td>
<td>0.05 mg/m³ (respirable dust)**</td>
<td>IARC Group 2A</td>
</tr>
<tr>
<td>Talc</td>
<td>20 mppcf (containing &lt;1% quartz) TWA</td>
<td>2 mg/m³ (respirable; &lt;1% crystalline silica) TWA</td>
<td>2 mg/m³ (respirable) TWA</td>
<td>IARC Group 3</td>
</tr>
<tr>
<td>Hardwood Bark (Alder)</td>
<td>15 mg/m³ TWA</td>
<td>1 mg/m³ TWA</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Fludioxonil (0.5%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>10 mg/m³ TWA***</td>
<td>No</td>
</tr>
</tbody>
</table>

** recommended by NIOSH

*** Syngenta Occupational Exposure Limit (OEL)

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

Syngenta Hazard Category: B

3. HAZARDS IDENTIFICATION

**Symptoms of Acute Exposure**

May cause mild eye irritation.

**Hazardous Decomposition Products**

Can decompose at high temperatures forming toxic gases.

**Physical Properties**

Appearance: Off-white powder

Odor: Wood-like

**Unusual Fire, Explosion and Reactivity Hazards**

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

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):** Not Applicable
- **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. Sweep up material and place in a 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, PACKAGING AND USE 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. For overhead exposure, wear chemical-resistant headgear.

**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 approved respirator with any N, R, or P or HE filter.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Off-white powder
**Odor:** Wood-like
**Melting Point:** Not Available
**Boiling Point:** Not Applicable
**Specific Gravity/Density:** 0.54 g/cm³
**pH:** 5 - 7 (1% solution in H₂O @ 77°F (25°C))

**Solubility in H₂O**
- Fludioxonil: 1.8 mg/l @ 77°F (25°C)

**Vapor Pressure**
- Fludioxonil: 2.9 x 10⁻⁹ mmHg @ 77°F (25°C)

### 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:** Can decompose at high temperatures forming toxic gases.

### 11. TOXICOLOGICAL INFORMATION

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

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
<th>LD₅₀/Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion:</td>
<td>Practically Non-Toxic</td>
<td>&gt; 5,000 mg/kg body weight</td>
</tr>
<tr>
<td>Oral (LD50 Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal:</td>
<td>Slightly Toxic</td>
<td>&gt; 2,000 mg/kg body weight</td>
</tr>
<tr>
<td>Dermal (LD50 Rabbit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation:</td>
<td>Practically Non-Toxic</td>
<td>&gt; 5.7 mg/l air - 4 hours</td>
</tr>
<tr>
<td>Inhalation (LC50 Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye Contact:</td>
<td>Slightly Irritating (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Skin Contact:</td>
<td>Non-Irritating (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Skin Sensitization:</td>
<td>Not a Sensitizer (Guinea Pig)</td>
<td></td>
</tr>
</tbody>
</table>

#### Reproductive/Developmental Effects

- Fludioxonil: Delayed development at doses causing maternal toxicity.

#### Chronic/Subchronic Toxicity Studies

- Fludioxonil: Liver and kidney toxicity at high dose levels.

#### Carcinogenicity

- Fludioxonil: Marginal increase (7%) of liver tumors (female, rats: 3,000 ppm); Within historical control range (1 to 10%).
Disposal Considerations

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

Product Name: MAXIM POTATO SEED PROTECTANT N.B.
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
   Not Applicable

CERCLA/SARA 302 Reportable Quantity (RQ)
   None

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

For non-emergency questions about this product call:

1-800-334-9481

Original Issued Date: 07/17/2001
Revision Date: 02/07/2006
Replaces: 12/01/2003

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.

RSVP# : SCP-955-00419B

End of MSDS