MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: APRON MAXX RTA + MOLY FUNGICIDE

EPA Signal Word: Caution

Product No.: A12034C

Active Ingredient(%): Fludioxonil (0.68%)

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

Chemical Class: Substituted Benzodioxalcarbonitrile Fungicide

Active Ingredient(%): Mefenoxam (0.99%)

Chemical Name: (R,S)-2-[(2,6-dimethylphenyl)-methoxyacetamino]-propionic acid methyl ester

Chemical Class: Phenylamide Fungicide

Section(s) Revised: 1, 2, 3, 8, 11

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>Glycerin</td>
<td>15 mg/m³ TWA (total); 5 mg/m³ TWA (respirable)</td>
<td>10 mg/m³ TWA (total)</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Micronutrient</td>
<td>5 mg/m³ (soluble); 15 mg/m³ (total)</td>
<td>5 mg/m³ (soluble); 10 mg/m³ (total)</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Mefenoxam (0.99%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>10 mg/m³ TWA***</td>
<td>No</td>
</tr>
<tr>
<td>Fludioxonil (0.68%)</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

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: Blue liquid
Odor: Water-based paint

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
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, 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, P or HE filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue liquid
Odor: Water-based paint
Melting Point: Not Applicable
Boiling Point: Not Available
Specific Gravity/Density: 9.75 lbs/gal (typical) @ 68°F (20°C)
pH: 5 - 7 (1% solution in H2O)

Solubility in H2O
Fludioxonil: 1.8 mg/l @ 77°F (25°C)
Mefenoxam: 26 g/l @ 77°F (25°C)

Vapor Pressure
Fludioxonil: 2.9 x 10(-9) mmHg @ 77°F (25°C)
Mefenoxam: 2.5 x 10(-5) 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)

Ingestion: Practically Non-Toxic
Oral (LD50 Rat): > 5,050 mg/kg body weight
Dermal: Slightly Toxic
Dermal (LD50 Rabbit): > 2,020 mg/kg body weight
Inhalation: Practically Non-Toxic
Inhalation (LC50 Rat): > 3.04 mg/l air - 4 hours
Eye Contact: Mildly Irritating (Rabbit)
Skin Contact: Non-Irritating (Rabbit)
Skin Sensitization: Not a Sensitizer (Guinea Pig)

Reproductive/Developmental Effects

Fludioxonil: Delayed development at doses causing maternal toxicity.
Mefenoxam: None observed.

Chronic/Subchronic Toxicity Studies

Fludioxonil: Liver and kidney toxicity at high dose levels.
Mefenoxam: Liver effects at high dose levels.
12. ECOLOGICAL INFORMATION

Summary of Effects

**Fludioxonil:** Practically nontoxic to birds and bees, but highly toxic to aquatic invertebrates and fish.

**Mefenoxam:** Practically non-toxic to aquatic organisms and wildlife.

Eco-Acute Toxicity

**Mefenoxam:**
- Bees LC50/EC50 > 25 ug/bee
- Invertebrates (Water Flea) LC50/EC50 > 113 ppm
- Fish (Trout) LC50/EC50 > 121 ppm
- Birds (8-day dietary - Bobwhite Quail) LC50/EC50 5,620 ppm

**Fludioxonil:**
- Bees LC50/EC50 > 25 ug/bee
- Invertebrates (Water Flea) LC50/EC50 0.90 ppm
- Fish (Trout) LC50/EC50 0.47 ppm
- Fish (Bluegill) LC50/EC50 0.74 ppm
- Birds (8-day dietary - Bobwhite Quail) LC50/EC50 > 5,200 ppm
- Birds (8-day dietary - Mallard Duck) LC50/EC50 > 5,200 ppm

Eco-Chronic Toxicity

**Mefenoxam:** Not Available

**Fludioxonil:**
- Fish (Fathead minnow) Early Life Stage MATC 0.028 mg/l
- Invertebrate (Daphnia Magna) Life Cycle MATC 0.025 mg/l
- Mallard Reproduction NOEC 700 ppm
- Bobwhite Reproduction NOEC 125 ppm

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
Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification
Ground Transport - NAFTA
Not regulated.

B/L Freight Classification
Fungicides, NOIBN, O/T Poison

Comments
None.

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: 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: 03/02/2000
Revision Date: 08/16/2005
Replaces: 01/19/2004

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.