1. PRODUCT IDENTIFICATION

Product Name: APRON MAXX RTA + MOLY FUNGICIDE  
EPA Signal Word: Caution

Active Ingredient(%): Fludioxonil (0.68%)  
Chemical Name: 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile

Active Ingredient(%): Mefenoxam (1.02%)  
Chemical Name: (R)-2-[(2,6-dimethylphenyl)-methoxyacetylamino]-propionic acid methyl ester

EPA Registration Number(s): 100-945

Section(s) Revised: All sections

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Material</th>
<th>OSHA PEL (soluble); 5 mg/m³ TWA (total); 15 mg/m³ (total)</th>
<th>ACGIH TLV (total); 10 mg/m³ TWA (total)</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>Not Established</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Micronutrient</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Mefenoxam (1.02%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Fludioxonil (0.68%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

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
Harmful if inhaled or swallowed.  Mist or vapor irritating to eyes and respiratory tract.  May cause skin 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 control center or doctor, or going for treatment.
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/PERSOAL PROTECTION**

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSOAL 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. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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:  Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. A NIOSH-certified combination air-purifying respirator with an N, P or R 95 or HE class filter and an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a pressure demand atmosphere-supplying respirator if there is any potential for uncontrolled release, exposure levels are not known, or under any other 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>Blue liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Water-based 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>9.75 lbs/gal (typical) @ 68°F (20°C)</td>
</tr>
<tr>
<td>pH</td>
<td>5 - 7 (1% solution in H2O)</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Oral (LD50 Rat)</td>
<td>Not Available</td>
</tr>
<tr>
<td>Dermal:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Dermal (LD50 Rabbit)</td>
<td>Not Available</td>
</tr>
<tr>
<td>Inhalation:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Inhalation (LC50 Rat)</td>
<td>Not Available</td>
</tr>
<tr>
<td>Eye Contact:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Skin Contact:</td>
<td>Not Available</td>
</tr>
<tr>
<td>Skin Sensitization:</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

Reproductive/Developmental Effects

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

Chronic/Subchronic Toxicity Studies

Product Name: APRON MAXX RTA + MOLY FUNGICIDE
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
Fludioxonil: 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
Mefenoxam: 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
Fludioxonil: Not Available
        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: No data available for the formulation. The information presented here is for the active ingredient, fludioxonil.
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
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:</td>
<td></td>
</tr>
<tr>
<td>Flammability:</td>
<td>1</td>
</tr>
<tr>
<td>Instability:</td>
<td>0</td>
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</table>

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

Original Issued Date: 03/02/2000
Revision Date: 01/19/2004
Replaces: 10/19/2000

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.