1. PRODUCT IDENTIFICATION

Product Name: SWITCH 62.5WG
EPA Signal Word: Caution

Active Ingredient(%): Cyprodinil (37.5%)
Chemical Name: 4-Cyclopropyl-6-methyl-N-phenylpyrimidiamine
Chemical Class: Fungicide

Active Ingredient(%): Fludioxonil (25.0%)
Chemical Name: 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile
Chemical Class: Substituted Benzodioxalcarbonitrile Fungicide

EPA Registration Number(s): 100-953

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>Diatomaceous Earth</td>
<td>80 mg/m³%SiO₂ (20 mppcf) TWA</td>
<td>10 (inhalable):3 mg/m³ (respirable) TWA</td>
<td>6 mg/m³ TWA**</td>
<td>No</td>
</tr>
<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>Sodium Sulfate</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Fludioxonil (25.0%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
<td>No</td>
</tr>
<tr>
<td>Cyprodinil (37.5%)</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, S

3. HAZARDS IDENTIFICATION

Symptoms of Acute Exposure
Causes mild eye and skin irritation.

Hazardous Decomposition Products
Can decompose at high temperatures forming toxic gases.

Physical Properties
Appearance: Gray to brown granules
Odor: Weak, uncharacteristic

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

Medical Condition Likely to be Aggravated by Exposure
None known.

5. FIRE FIGHTING MEASURES

Fire and Explosion

Flammable Limits (% in Air): Lower: % Not Applicable  Upper: % Not Applicable
Autoignition Temperature: Not Available
Flammability: Not highly flammable. Substance can be ignited, but the flame doesn’t spread out.

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 from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions in Protective Equipment Section. 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
9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Gray to brown granules
Odor: Weak, uncharacteristic
Melting Point: Not Available
Boiling Point: Not Applicable
Specific Gravity/Density: 0.54 g/cm³
pH: 9.3 (1% suspension in water)

Solubility in H2O
Cyprodinil: 12 mg/l @ 68°F (20°C)
Fludioxonil: 1.8 mg/l @ 77°F (25°C)

Vapor Pressure
Cyprodinil: 3.8 x 10(-6) mmHg @ 77°F (25°C)
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)

Ingestion: Practically Non-Toxic
Oral (LD50 Rat) : > 5,000 mg/kg body weight
Dermal: Slightly Toxic
Dermal (LD50 Rabbit) : > 2,000 mg/kg body weight
Inhalation: Practically Non-Toxic
Inhalation (LC50 Rat) : > 2.51 mg/l air - 4 hours
Eye Contact: Minimally Irritating (Rabbit)
Skin Contact: Slightly Irritating (Rabbit)
Skin Sensitization: Not a Sensitizer (Guinea Pig)

Reproductive/Developmental Effects
Cyprodinil: Developmental toxicity and embryolethality in rats.
Fludioxonil: Delayed development at doses causing maternal toxicity.
12. ECOLOGICAL INFORMATION

Summary of Effects

Cyprodinil: Moderate toxicity to fish, but highly toxic to invertebrates (water flea). Practically non-toxic to birds and bees.

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

Eco-Acute Toxicity

Cyprodinil: Bees LC50/EC50 > 100 ug/bee

Invertebrates (Water Flea) LC50/EC50 0.03 ppm

Fish (Trout) LC50/EC50 2.4 ppm

Fish (Bluegill) LC50/EC50 1.07 ppm

Birds (8-day dietary - Bobwhite Quail) LC50/EC50 > 5,200 ppm

Birds (8-day dietary - Mallard Duck) LC50/EC50 > 5,200 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
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.

Air Transport - NAFTA
Not regulated.

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

Comments
Water Transport - International
Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Cyprodinil/Fludioxonil), Marine Pollutant
Hazard Class or Division: Class 9
Identification Number: UN 3077
Packing Group: PG III
IMDG EMS #: F-A, S-F

Air Transport - International
Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Cyprodinil/Fludioxonil)
Hazard Class or Division: Class 9
Identification Number: UN 3077
Packing Group: PG III
Note: Max. inner packages 5 liters; Max. single packages 450 liters

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>

0     Minimal
1     Slight
2     Moderate
3     Serious
4     Extreme

For non-emergency questions about this product call:

1-800-334-9481

Original Issued Date:  04/20/1995
Revision Date:        03/21/2005
Replaces:             04/28/2004

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.

RSVP# : SCP-955-00281F

End of MSDS