1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Banrot® 40 WP (40% Wettable Powder)
Description: Fungicide

Company
Everris NA Inc.
P.O. Box 3310
Dublin, OH 43016

EPA Registration No.: 58185-10
Product Number(s): E957252

2. HAZARDS IDENTIFICATION

Labelling
Signal word: WARNING
Precautionary Statements
Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Do not get in eyes, on skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wear eye/face protection. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Take off contaminated clothing and wash before re-use. Keep out of reach of children.

Potential health effects
Eye contact: Contact with eyes may cause irritation.
Skin contact: Irritating to skin. May cause sensitization by skin contact.
Ingestion: Moderately toxic if swallowed. Possible gastrointestinal tract irritation.
Inhalation: May cause irritation of respiratory tract.

Aggravated Medical Conditions: Inhalation of dust may aggravate asthma. Pre-existing dermatitis or sores.

Principle routes of exposure: Skin, Inhalation, Ingestion, Eyes
Target organ effects: Irritation. Liver damage.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inert Ingredients</td>
<td>PROPRIETARY</td>
<td>60</td>
</tr>
<tr>
<td>Thiophanate-methyl</td>
<td>23564-05-8</td>
<td>25</td>
</tr>
<tr>
<td>Etridiazole</td>
<td>2593-15-9</td>
<td>15</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

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 the first 5 minutes, then continue rinsing. Call 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 a poison control center or doctor for treatment advice.

Ingestion: Call a physician or Poison Control Centre immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Inhalation: 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 a poison control center or doctor for further treatment advice.

5. FIRE-FIGHTING MEASURES

Flammable properties: Non-flammable.
5. FIRE-FIGHTING MEASURES

Explosion potential: Dust at sufficient concentrations may form explosive mixtures with air.

Hazardous combustion products: Combustion can produce toxic fumes and irritating gases.

Fire fighting procedures: Select appropriate method to surround and extinguish fire.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin, eyes and clothing.

Environmental precautions: Prevent product from entering drains.

Methods for containment: Vacuum or sweep up material and place in a disposal container.

Methods for cleaning up: If material is uncontaminated, collect and reuse as recommended for product. If material is contaminated, put in appropriate container and dispose.

7. HANDLING AND STORAGE

Handling: Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams or ponds.

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from heat or open flame. Do not contaminate water, food, or feed by storage or disposal. Keep out of reach of children and domestic animals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>ACGIH:</th>
<th>OSHA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiophanate-methyl</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Etridiazole</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

Engineering controls: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

Personal Protective Equipment:

Eye/face protection: Safety glasses with side shields or goggles.


Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. NIOSH-approved respirator with and organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH TC-23C), or a canister approved pesticides (NSHA/NIOSH TC-14G) or a NIOSH approved respirator with OV cartridge with any N, R, P, or HE prefilter.

General hygiene considerations:

Precautions: Wash hands before breaks and immediately after handling the product. Running water/eye wash station should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical State:</th>
<th>Solid</th>
<th>Color:</th>
<th>Tan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulk density:</td>
<td>40 lbs/cu ft</td>
<td>Appearance:</td>
<td>Powder</td>
</tr>
<tr>
<td>Solubility:</td>
<td>Soluble</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Chemically Stable: Yes.

Conditions to avoid: Extreme heat. Contact with strong alkalies, oxidizers, and reducing agents.

Materials to avoid: Strong acids, bases, oxidizers, and reducing agents.

Hazardous decomposition products: Combustion may produce irritating gases and vapors.

Possibility of hazardous reactions: Poses little or no immediate hazard.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Banrot® 40 WP (40% Wettable Powder)  

MSDS Ref. No.: E957252  

LD₅₀/oral: No information available  
LD₅₀/dermal: No information available  
LC₅₀/inhalation: No information available  
Eye effects: Irritating to eyes  
Skin effects: Irritating to skin  
Sensitization: May cause sensitization by skin contact  

Chronic toxicity  
Carcinogenic effects: The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>NTP:</th>
<th>IARC:</th>
<th>OSHA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiophanate-methyl</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Etridiazole</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Ingestion:  
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation:  
May cause irritation of respiratory tract.

Target organ effects:  
Irritation. Liver damage.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects:  
Toxicity to fish.

Persistence and degradability:  
Inherently biodegradable. Non-persistent.

Bioaccumulative potential:  
Does not bioaccumulate.

Mobility:  
Water contaminating.

Aquatic toxicity:  
Toxic to fish.

Additional ecological information:  
Do not contaminate water sources when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:  
If empty, do not reuse container. Dispose of in accordance with local regulations and national regulations.

Contaminated packaging:  
Offer rinsed packaging material to local recycling facilities.

14. TRANSPORT INFORMATION

The description shown may not apply to all situations. Consult 49 CFR, or appropriate dangerous goods regulations for additional description requirements (e.g. technical name) and mode-specific or quantity-specific shipping requirements.

DOT (Land)  
Not DOT regulated

DOT (AIR)  
Not DOT regulated

Other Shipping Information:  
Environmentally Hazardous Substance, (etridiazole), solid, n.o.s., 9, UN3077, PGIII, Marine Pollutant (etridiazole) - when transported in bulk or by vessel over water

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No</th>
<th>CERCLA/SARA 313</th>
<th>CERCLA/SARA 302</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiophanate-methyl</td>
<td>23664-05-8</td>
<td>10 lb final RQ</td>
<td>Not Listed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.54 kg final RQ</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Etridiazole</td>
<td>2593-15-9</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

General Information  
Contact local authorities for disposal of large quantities of product.

16. OTHER INFORMATION

NFPA:  
Health: 3  
Flammability: 0  
Reactivity: 1

HMIS:  
Health: 3  
Flammability: 0  
Reactivity: 1

Hazard Rating: 0=Least; 1-Slight; 2=Moderate; 3=High; 4=Severe

EPA FIFRA Comment: Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Revision date: 25-Apr-2012
General comment: This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

Additional Information: This information contained herein is, to the best of Everris’ knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Everris shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Everris shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.