



# MATERIAL SAFETY DATA SHEET

Date stamp: 25-Apr-2012

MSDS Ref. No.: E950241

Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Banrot 8G  
**Description:** Fungicide

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

**24-HOUR EMERGENCY TELEPHONE NUMBERS:**  
CHEMTREC (U.S.): 1-800-424-9300  
CHEMTREC (International): 1-703-527-3887  
Non-Emergency Calls: 1-800-492-8255

**EPA Registration No.:** 58185-23  
**Formula No.:** S8879  
**Product Number(s):** E950241

## 2. HAZARDS IDENTIFICATION

### Labelling

**Signal word:** CAUTION

### Precautionary Statements

Harmful if swallowed. Avoid contact with eyes, skin, and clothing. May cause eye/skin irritation. Avoid contamination of food and feedstuffs. Keep out of reach of children.

### Potential health effects

**Eye contact:** Contact with eyes may cause irritation.

**Skin contact:** Irritation possible.

**Ingestion:** Ingestion may cause irritation to mucous membranes. 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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients        | CAS-No     | Weight % |
|--------------------|------------|----------|
| Other Ingredients  | No CAS#    | 92       |
| Thiophanate-methyl | 23564-05-8 | 5        |
| Etridiazole        | 2593-15-9  | 3        |

## 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.  
**Suitable extinguishing media:** Water spray. Dry chemical. Foam. Carbon dioxide (CO<sub>2</sub>).  
**Explosion potential:** Dust at sufficient concentrations may form explosive mixtures with air.  
**Hazardous combustion products:** Combustion can produce toxic fumes and irritating gases.

**5. FIRE-FIGHTING MEASURES**

**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. Do not store near seeds or fertilizer. Keep out of the reach of children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

| Ingredients        | ACGIH:     | OSHA:      |
|--------------------|------------|------------|
| Thiophanate-methyl | Not Listed | Not Listed |
| Etridiazole        | Not Listed | Not Listed |

**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.

**Skin and body protection:**

Wear long-sleeve shirt, pants, shoes with socks, and gloves.

**Respiratory protection:**

If airborne levels are high or product does not remain intact, use a combination of engineering controls (e.g. ventilation) and personal protection, e.g., NIOSH/MSHA approved respirator for dusts, mists, and fumes.

**General hygiene considerations:**

Wash hands before breaks and immediately after handling the product

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Solid  
**Bulk density:** 66 lbs/cu ft  
**Solubility:** No data available  
**Color:** Gray  
**Appearance:** Granular

**10. STABILITY AND REACTIVITY**

**Chemically Stable:** Yes.  
**Conditions to avoid** Extreme heat. Contact with strong alkalis, oxidizers, and reducing agents.  
**Materials to avoid:** Strong acids, bases, oxidizers, and reducing agents.  
**Hazardous decomposition products:** Combustion may produce irritating gases and vapors. Metal oxides possible. Oxides of sulfur. Oxides of nitrogen.  
**Possibility of hazardous reactions:** Poses little or no immediate hazard.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

**LD50/oral:** >5.0 g/kg, rat  
**LD50/dermal:** >5.0 g/kg, rabbit  
**LC50/inhalation:** No information available  
**Eye effects:** Mild eye irritation, rabbit

**Skin effects:** Non-irritating to the skin, rabbit  
**Sensitization:** No sensitization, guinea pig

**Chronic toxicity**

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

| Ingredients        | NTP:       | IARC:      | OSHA:      |
|--------------------|------------|------------|------------|
| Thiophanate-methyl | Not listed | Not listed | Not listed |
| Etridiazole        | Not listed | Not listed | Not listed |

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
**Inhalation:** May cause irritation of respiratory tract.  
**Target organ effects:** Irritation.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects:** No data is available on the product itself.  
**Persistence and degradability:** Inherently biodegradable. Non-persistent.  
**Bioaccumulative potential:** Does not bioaccumulate.  
**Mobility:** No information available.  
**Aquatic toxicity:** Toxic to fish.  
**Additional ecological information:** Do not contaminate water sources when disposing of equipment washwaters.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** Dispose of in accordance with local regulations and national regulations. Do not place product down any indoor or outdoor drain.  
**Contaminated packaging:** Empty containers can be landfilled, when in compliance with the local regulations .  
**Other information** Do not contaminate water sources with equipment washwater

**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  
**DOT (Vessel)** Not DOT regulated

**15. REGULATORY INFORMATION**

| Ingredients        | CAS-No     | CERCLA/SARA 313                    | CERCLA/SARA 302 |
|--------------------|------------|------------------------------------|-----------------|
| Thiophanate-methyl | 23564-05-8 | 10 lb final RQ<br>4.54 kg final RQ | Not Listed      |
| Etridiazole        | 2593-15-9  | Not Listed                         | Not Listed      |

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

**16. OTHER INFORMATION**

**NFPA:** Health: 2 Flammability: 0 Reactivity: 1  
**HMIS:** Health: 2 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.

**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.

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