



Safety Data Sheet

Issue Date: no data available

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Version: 2

1. IDENTIFICATION

Product Identifier:

Product Name: Banrot 8G
Product Number(s): E950241
Formula No.: S8879

Recommended Use of the Chemical and Restrictions on Use:

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

2. HAZARD(S) IDENTIFICATION

Classification 67/548/EEC

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Sensitization	Category 1
Germ Cell Mutagenicity	Category 2
Carcinogenicity:	Category 2

Label Elements:

Warning

Hazard Statements:

May cause an allergic skin reaction
Suspected of causing genetic defects
Suspected of causing cancer



Appearance: No information available

Physical State: Solid

Odor: No information available

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC):

Not Applicable

Other Information:

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**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.

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.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray. Dry chemical. Foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media: High volume water jet.

Specific hazards: No information available.

Hazardous Combustion Products: Combustion can produce toxic fumes and irritating gases.

Explosion Data:

Sensitivity to Mechanical Impact:
no data available.

Sensitivity to Static Discharge:
no data available.

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, Protective Equipment and Emergency Procedures:

Personal Precautions: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not inhale dust/mist.

Environmental Precautions: Prevent product from entering drains. Avoid subsoil penetration.

Methods and Material for Containment and Cleanup:

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

Precautions for Safe Handling:

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.

Conditions for Safe Storage, Including any Incompatibilities:

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

Control Parameters:

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls:

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye/face Protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties:

Physical State:	Solid	Appearance:	granulate
Color:	grey	Odor	No information available
Odor:	Fertilizer	Threshold:	

<u>Property</u>	<u>Values</u>	<u>Remarks: • Method</u>
pH:	No information available	
Melting Point/Freezing Point:	No information available	
Boiling Point/Range:	No information available	
Flash Point:	No information available	
Evaporation Rate:	No information available	
Flammability (solid, gas):	No information available	
Flammability Limits in Air:		
Upper Flammability Limit:	No information available	
Lower Flammability Limit:	No information available	
Vapor Pressure:	No information available	
Vapor Density:	No information available	
Specific Gravity:	No information available	
Solubility:	no data available	
Solubility in other Solvents:	No information available	
Partition Coefficient:	No information available	
Autoignition Temperature:	No information available	
Decomposition Temperature:	No information available	
Kinematic Viscosity:	No information available	
Dynamic Viscosity:	No information available	
Explosive Properties:	No information available	
Oxidizing Properties:	Not considered an oxidizer	

Other Information:

Softening Point:	No information available
Molecular Weight:	No information available
VOC Content (%):	No information available
Density:	No information available
Bulk density:	66 lbs/cu ft

10. STABILITY AND REACTIVITY

<u>Reactivity:</u>	Stable under normal conditions
<u>Chemically Stable:</u>	yes.
<u>Conditions to Avoid:</u>	Extreme heat. Contact with strong alkalies, oxidizers, and reducing agents.
<u>Materials to avoid</u>	Strong acids, bases, oxidizers, and reducing agents.
<u>Hazardous Decomposition Products:</u>	Contact with acids liberates very toxic gas. Metal oxides possible. Oxides of sulfur. None under normal processing.
<u>Possibility of Hazardous Reactions:</u>	Poses little or no immediate hazard.

11. TOXICOLOGICAL INFORMATION

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin Contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Information on Toxicological Effects:

Symptoms No information available.

Numerical Measures of Toxicity**Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document: .

Oral LD50	16,667.00 mg/kg
Dermal LD50	36,667.00 mg/kg
Mist	10.70 mg/l

Unknown Acute Toxicity: No information available

LD50/oral:	> 5.0 g/kg Rat
LD50/dermal:	> 5.0 g/kg Rabbit
LC50/inhalation:	No information available

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Thiophanate-methyl 23564-05-8	= 6640 mg/kg (Rat)	> 10 g/kg (Rat) > 10 g/kg (Rabbit)	= 1700 mg/m ³ (Rat) 4 h
Etridiazole 2593-15-9	= 1077 mg/kg (Rat)	> 5000 mg/kg (Rat) = 1700 mg/kg (Rabbit)	-

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ Cell Mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Aspiration Hazard	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity The environmental impact of this product has not been fully investigated.

Ingredients	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea

Thiophanate-methyl 23564-05-8	-	7.8: 48 h Oncorhynchus mykiss mg/L LC50	-	-
Etridiazole 2593-15-9	-	0.63 - 0.95: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	-	-

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Disposal of Wastes: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Contaminated Packaging: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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) UN3077, Environmentally Hazardous Substance, solid, n.o.s., (Thiophanate-methyl) RQ
Special Shipping information: Product RQ=200lbs

DOT (AIR) UN3077, Environmentally Hazardous Substance, solid, n.o.s., (Thiophanate-methyl) RQ
Special Shipping information: Product RQ=200lbs

DOT (Vessel) UN3077, Environmentally Hazardous Substance, solid, n.o.s., (Thiophanate-methyl) RQ
Special Shipping information: Product RQ=200lbs

15. REGULATORY INFORMATION

Federal Regulations:

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act):

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA:

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Ingredients	CERCLA/SARA 313	CERCLA/SARA RQ
Thiophanate-methyl 23564-05-8	10 lb final RQ 4.54 kg final RQ	-

State Regulations (RTK):**California Proposition 65:**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations:**U.S. EPA Label information:**

EPA Pesticide Registration Number: 58185-23

EPA Statement:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide label:

KEEP OUT OF THE REACH OF CHILDREN
CAUTION. Causes moderate eye irritation. Avoid contact with eyes.

16. OTHER INFORMATION

NFPA: Health: 2 Flammability: 0 Reactivity: 1

HMIS: Health: 2 Flammability: 0 Reactivity: 1

Revision Date: 30-Aug-2016

Revision Note:

Reason for revision: None

Disclaimer

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End of Safety Data Sheet