

# Safety Data Sheet

## AVERT® ROACH BAIT STATION

Revision date : 2009/12/18  
Version: 1.0

Page: 1/8  
(30486706/SDS\_GEN\_US/EN)

### 1. Product and Company Identification

Company  
BASF CORPORATION  
100 Campus Drive  
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information  
CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP

Registrant:  
Whitmire Micro-Gen Research Laboratories, Inc.  
3568 Tree Court Industrial Blvd.  
St. Louis, MO 63122

Synonyms: Abamectin B1

### 2. Hazards Identification

#### Emergency overview

CAUTION:  
KEEP OUT OF REACH OF CHILDREN.  
KEEP OUT OF REACH OF DOMESTIC ANIMALS.  
HARMFUL IF ABSORBED THROUGH SKIN.  
Moderately irritating to the eyes.  
Avoid contact with the skin, eyes and clothing.  
Wash thoroughly after handling.

State of matter: solid  
Colour: brown  
Odour: characteristic

#### Potential health effects

##### **Primary routes of exposure:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

##### **Acute toxicity:**

Relatively nontoxic after single ingestion. Slightly toxic after short-term skin contact.

##### **Irritation / corrosion:**

May cause slight but temporary irritation to the eyes. May cause slight irritation to the skin.

##### **Sensitization:**

Skin sensitizing effects were not observed in animal studies.

# Safety Data Sheet

## AVERT® ROACH BAIT STATION

Revision date : 2009/12/18  
Version: 1.0

Page: 2/8  
(30486706/SDS\_GEN\_US/EN)

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
71751-41-2	0.05 %	Abamectin
	99.95 %	Proprietary ingredients

### 4. First-Aid Measures

**General advice:**

First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or physician for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**If inhaled:**

Remove the affected individual into fresh air and keep the person calm.

**If on skin:**

Rinse skin immediately with plenty of water for 15 - 20 minutes.

**If in eyes:**

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing.

**If swallowed:**

Have person sip a glass of water if able to swallow. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

### 5. Fire-Fighting Measures

Flash point: not determined

**Suitable extinguishing media:**

dry extinguishing media, carbon dioxide

**Hazards during fire-fighting:**

carbon monoxide, carbon dioxide,

If product is heated above decomposition temperature, toxic vapours will be released. The substances/groups of substances mentioned can be released in case of fire.

**Protective equipment for fire-fighting:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

### 6. Accidental release measures

**Personal precautions:**

Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

# Safety Data Sheet

## AVERT® ROACH BAIT STATION

Revision date : 2009/12/18  
Version: 1.0

Page: 3/8  
(30486706/SDS\_GEN\_US/EN)

### **Environmental precautions:**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water. A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities. This product is not regulated by CERCLA ('Superfund').

### **Cleanup:**

Dike spillage. Sweep/shovel up. Avoid raising dust. Use wet cleaning methods when applicable. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

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## 7. Handling and Storage

### Handling

#### **General advice:**

RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions for Use attached to the product. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect against heat. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Provide means for controlling leaks and spills. Follow label warnings even after container is emptied. The substance/ product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Wear suitable personal protective clothing and equipment.

#### **Protection against fire and explosion:**

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme heat. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

### Storage

#### **General advice:**

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed.

#### **Storage incompatibility:**

General advice: Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

#### **Storage stability:**

May be kept indefinitely if stored properly. If an expiry date is mentioned on the packaging/label this takes priority over the statements on storage duration in this safety data sheet.

#### **Temperature tolerance**

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

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## 8. Exposure Controls and Personal Protection

### **Advice on system design:**

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

# Safety Data Sheet

## AVERT® ROACH BAIT STATION

Revision date : 2009/12/18  
Version: 1.0

Page: 4/8  
(30486706/SDS\_GEN\_US/EN)

### Personal protective equipment

#### **Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

#### **Hand protection:**

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

#### **Eye protection:**

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

#### **Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

#### **General safety and hygiene measures:**

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS  
Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

## 9. Physical and Chemical Properties

Form:	gel	
Odour:	characteristic	
Colour:	brown	
pH value:		of low solubility, not applicable. The statements are based on the properties of the individual components.
	approx. 8.4	( 1 %(m), 25 °C) The data given are those of the active ingredient.
Density:	1.0651 g/cm3	( 25 °C)
Bulk density:		not applicable
Partitioning coefficient n-octanol/water (log Pow):		No data available.
Solubility in water:		insoluble

## 10. Stability and Reactivity

#### **Conditions to avoid:**

Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electro-static discharge.

#### **Substances to avoid:**

caustics

#### **Hazardous reactions:**

The product is chemically stable.

#### **Decomposition products:**

No hazardous decomposition products if stored and handled as prescribed/indicated., Prolonged thermal loading can result in products of degradation being given off.

# Safety Data Sheet

## AVERT® ROACH BAIT STATION

Revision date : 2009/12/18  
Version: 1.0

Page: 5/8  
(30486706/SDS\_GEN\_US/EN)

### Thermal decomposition:

Possible thermal decomposition products:

carbon monoxide, carbon dioxide

Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. To avoid thermal decomposition, do not overheat.

### Corrosion to metals:

No data available.

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## 11. Toxicological information

### Acute toxicity

#### Dermal:

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

### Irritation / corrosion

#### Skin:

Species: rabbit

Result: non-irritant

#### Eye:

Species: rabbit

Result: non-irritant

May cause slight irritation to the eyes.

### Sensitization:

Species: guinea pig

Result: Skin sensitizing effects were not observed in animal studies.

### Genetic toxicity

*Information on: Abamectin*

*Results from a number of mutagenicity studies with microorganisms, mammalian cell culture and mammals are available. Taking into account all of the information, there is no indication that the substance is mutagenic.*

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### Carcinogenicity

*Information on: Abamectin*

*In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed.*

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### Reproductive toxicity

*Information on: Abamectin*

*The results of animal studies suggest a fertility impairing effect with high doses.*

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### Development:

*Information on: Abamectin*

*Causes developmental effects in animals at high, maternally toxic doses.*

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# Safety Data Sheet

## AVERT® ROACH BAIT STATION

Revision date : 2009/12/18  
Version: 1.0

Page: 6/8  
(30486706/SDS\_GEN\_US/EN)

### 12. Ecological Information

#### Fish

*Information on: Abamectin*

*Acute:*

*OECD 203; ISO 7346; 92/69/EEC, C.1 Flow through.*

*Oncorhynchus mykiss/LC50 (96 h): 0.0087 mg/l*

#### Aquatic invertebrates

*Information on: Abamectin*

*Acute:*

*OECD Guideline 202, part 1 static*

*Daphnia magna/EC50 (48 h): 0.0016 mg/l*

#### Aquatic plants

*Information on: Abamectin*

*Toxicity to aquatic plants:*

*OECD Guideline 201 static*

*green algae/EC50 (72 h): > 6.1 mg/l*

*Not readily biodegradable (by OECD criteria).*

### 13. Disposal considerations

#### Waste disposal of substance:

Pesticide wastes are regulated. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### Container disposal:

Rinse thoroughly at least three times (triple rinse) in accordance with EPA recommendations. Consult state or local disposal authorities for approved alternative procedures such as container recycling. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

### 14. Transport Information

#### Land transport

USDOT

Hazard class:

9

Packing group:

III

ID number:

UN 3077

Hazard label:

9, EHSM

Proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains ABAMECITIN)

#### Sea transport

IMDG

Hazard class:

9

# Safety Data Sheet

## AVERT® ROACH BAIT STATION

Revision date : 2009/12/18  
Version: 1.0

Page: 7/8  
(30486706/SDS\_GEN\_US/EN)

Packing group: III  
ID number: UN 3077  
Hazard label: 9, EHSM  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains ABAMECITIN)

### Air transport IATA/ICAO

Hazard class: 9  
Packing group: III  
ID number: UN 3077  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains ABAMECITIN)

## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US blocked / not listed

Crop Protection TSCA, US released / exempt

**EPCRA 311/312 (Hazard categories):** Acute; Chronic

## 16. Other Information

Recommended use: insecticide

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# Safety Data Sheet

## AVERT® ROACH BAIT STATION

Revision date : 2009/12/18  
Version: 1.0

Page: 8/8  
(30486706/SDS\_GEN\_US/EN)

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END OF DATA SHEET