



# MATERIAL SAFETY DATA SHEET

## ACRAMITE® 50WS

Version: 1.6  
Date of Issue: 10/08/2009  
Date printed: 10/08/2009

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** ACRAMITE® 50WS

**Chemical name:** Bifenazate

**Use of substance/preparation:** Miticide

**Supplier:** Chemtura Canada Co./Cie  
25 ERB STREET  
Elmira, Ontario N3B 3A3 Canada

**Manufacturer:** Chemtura Corporation  
199 Benson Road  
Middlebury, CT 06749 USA

**Emergency telephone number:** 866-744-3060 (Canada 24 hours)  
CANUTEC (24 hours) 613-996-6666 (call collect)

**Environmental, Health and Safety Department:** 866-430-2775

**Customer Care:** +44 161 875 3800

**Prepared by** Product Safety Department      Date of Issue: 10/08/2009  
(US) +1 866-430-2775  
(EU) +44 (0) 1753.603.000  
Email: MSDSRequest@chemtura.com

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### 2. HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW**  
**CAUTION!**  
MAY CAUSE EYE IRRITATION.  
AIRBORNE DUST PARTICLES MAY FORM EXPLOSIVE AIR-DUST MIXTURE.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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INGREDIENT	% BY WEIGHT
Bifenazate CAS# -	50
Kaolin clay CAS# 1332-58-7	< 35

**(M)SDS# 00000030497**



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**Version:** 1.6  
**Date of Issue:** 10/08/2009  
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Silicon dioxide < 10  
CAS# 7631-86-9

Inerts < 50  
CAS# -

Ingredients not precisely identified are non-hazardous and/or proprietary.

### **WHMIS CLASSIFICATION**

This product is registered under the Pest Control Products Act and is therefore exempt from WHMIS supplier labeling and MSDS requirements. Please read entire MSDS and product label for safety precautions.

### **CPR Compliance**

This product has been classified with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

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## **4. FIRST AID MEASURES**

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### **Swallowing**

If patient is fully conscious, give two glasses of water. Do not induce vomiting unless told to do so by the poison control center or doctor. Obtain medical attention immediately. Do not give milk, oily products, fat or alcohol. Do not give anything by mouth to an unconscious person.

### **Inhalation**

Remove to fresh air. Give artificial respiration if not breathing. Obtain medical attention.

### **Skin contact**

Wash skin with soap and water. Remove contaminated clothing. Wash clothing before re-use. Obtain medical attention if irritation persists.

### **Eye contact**

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention.

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## **5. FIRE-FIGHTING MEASURES**

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**Flash point:** > 110 °C

### **Hazardous combustion products**

Irritating fumes.  
Oxides of carbon.  
Oxides of nitrogen.

### **Special fire fighting procedures**

Do not discharge extinguishing waters into streams, rivers and lakes.

### **Special protective equipment for firefighters**

Body covering protective clothing, full "turn-out" gear.  
Self-contained breathing apparatus.

### **Extinguishing media**

**Suitable:**

- CO2
- dry powder
- foam
- water fog

**Unsuitable:** - water spray

### **Unusual fire and explosion hazards**

Avoid dispersion of dust in air to reduce potential for dust ignition/explosions. Avoid dispersion of dust in air to reduce potential for dust ignition/explosions.

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## **6. ACCIDENTAL RELEASE MEASURES**

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**(M)SDS# 00000030497**



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**Version:** 1.6  
**Date of Issue:** 10/08/2009  
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### Personal precautions

Wear suitable protective equipment., Avoid contact with eyes and skin.

### Environmental precautions

Prevent from entering sewer system, surface water or soil.

### Methods for cleaning up

Sweep up and collect in a suitable container for disposal.  
Avoid dust formation.

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## 7. HANDLING AND STORAGE

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### HANDLING

#### Handling precautions

Do not get in eyes, on skin, on clothing., Normal precautions common to good safety practice should be followed in handling., Keep away from sources of ignition  
- No smoking.

#### Other precautions

NOTE TO END-USERS: The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

### STORAGE

#### Storage requirements

Store in a cool, dry place., Keep container tightly closed in a cool, well-ventilated place., In case of occurrence of dust, risk of dust explosion.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE LIMIT VALUES

Consult local authorities for acceptable provincial values.

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Kaolin clay	Belgium	TWA	3 mg/m3	Respirable
		TWA	10 mg/m3	Inhalable
	France	VME	10 ppm	
	Germany	AGW	3 mg/m3	Respirable
		AGW	10 mg/m3	Inhalable
	Ireland	OEL-TWA	4 mg/m3	Respirable
		OEL-TWA	10 mg/m3	Inhalable
	Italy	OEL	3 mg/m3	Respirable
		OEL	10 mg/m3	Inhalable
	Spain	VLA-ED	2 mg/m3	Respirable
		VLA-ED	10 mg/m3	Inhalable
	Sweden	NGV	5 mg/m3	Respirable



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**Version:** 1.6  
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		NGV	10 mg/m <sup>3</sup>	Inhalable
	Switzerland	TWA	6 mg/m <sup>3</sup>	
	the Netherlands	MAC TWA	5 mg/m <sup>3</sup>	Respirable
		MAC TWA	10 mg/m <sup>3</sup>	Inhalable
	Great-Britain	TWA	2 mg/m <sup>3</sup>	Respirable
	Denmark	TWA	2 mg/m <sup>3</sup>	
Silicon dioxide	USA	TWA, ACGIH	10 mg/m <sup>3</sup>	Total dust

### PERSONAL PROTECTION

#### Respiratory protection

A respirator approved for dust/fume or mist protection is recommended for mists, sprays or aerosols. The determination of appropriate respiratory protection is best performed, on a case by case basis, taking into consideration the exposure conditions of the particular operation.

#### Hand protection / protective gloves

Chemical resistant protective gloves

#### Eye protection

Safety glasses with side shields.

#### Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

### ENGINEERING CONTROLS

#### Ventilation

If personnel exposure exceeds exposure limits, apply local exhaust ventilation at points of dust generation.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### APPEARANCE

Physical state	Powder
Color	Pale beige to White
Odor	Negligible
Odor threshold	Not available

### OTHER PROPERTIES

Boiling point	Not available
Melting point	Not available
pH	10.3
Density	1.74 g/cm <sup>3</sup> at 25 °C
Vapor pressure	
Solubility in water	Insoluble

**(M)SDS# 000000030497**



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<b>Solubility in organic solvents</b>	Soluble
<b>Partitioning coefficient</b>	Not available
<b>Flash point</b>	> 110 °C Method: Setaflash
<b>Autoignition temperature</b>	Not available
<b>Upper explosion limits</b>	Not available
<b>Lower explosion limits</b>	Not available
<b>Dynamic viscosity</b>	Not applicable

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**10. STABILITY AND REACTIVITY**

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**Stability:** This product is stable under normal storage and handling conditions.

**Incompatible materials:**

Oxidizing agents.  
Strong acids.  
Strong bases.

**Hazardous combustion products:**

Irritating fumes.  
Oxides of carbon.  
Oxides of nitrogen.

**Hazardous polymerization:** Will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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SWALLOWING

Test results

Acute toxicity: LD50 Rat  
Result: > 5,000 mg/kg

SKIN ABSORPTION

Test results

Acute toxicity: LD50 - Rabbit  
Result: > 5,000 mg/kg

INHALATION

Test results

Acute toxicity: LC50 - Rat  
Result: > 5.2 mg/l  
Exposure time: 4 h

SKIN CONTACT

Test results

Skin irritation: Species: Rabbit  
Remark: May cause slight irritation.

EYE CONTACT

Test results

Eye irritation: Species: Rabbit  
Result: Mild irritation

SENSITIZATION

**(M)SDS# 00000030497**



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Test results: Species: - Guinea pigs  
Result: Non sensitizing.

### MUTAGENICITY

Assessment: Test results are based on a major component. Negative

### CARCINOGENICITY

Assessment: Negative

### TOXICITY TO REPRODUCTION/FERTILITY

Assessment: Negative

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## 12. ECOLOGICAL INFORMATION

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Ecological data on this product are not available.  
However, the following data exist for the main component:

<u>Component ecotoxicology</u> Bifenazate <u>Acute toxicity fish:</u>	LC50 - Rainbow trout (Oncorhynchus mykiss) Result: 0.76 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Bifenazate <u>Acute toxicity fish:</u>	LC50 - Bluegill (Lepomis macrochirus) Result: 0.58 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> Bifenazate <u>Aquatic toxicity to plants:</u>	EC50 - Selenastrum capricornutum Result: 0.89 mg/l
<u>Component ecotoxicology</u> Bifenazate <u>Acute toxicity to aquatic invertebrates:</u>	LC50 - Water flea (Daphnia magna) Result: 0.5 mg/l Exposure time: 48 h

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## 13. DISPOSAL CONSIDERATIONS

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**General:** Dispose of waste material in compliance with all federal, provincial and local regulations., Do not discharge to sewers and natural waters.

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## 14. TRANSPORT INFORMATION

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### TDG - Canada

This product is not regulated by TDG.

### IMDG Classification

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s.  
**Class:** 9  
**Subsidiary risk:** marine pollutant  
**UN ID #:** UN 3077  
**Packing group:** III  
**Marpol:** MARINE POLLUTANT  
**Technical description** (Bifenazate)

**(M)SDS#** 000000030497



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### ICAO/IATA Classification

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s.  
**Class:** 9  
**UN ID #:** UN 3077  
**Packing group:** III

**Technical description** (Bifenazate)

Only regulated by air Into, Out of or Within the United States in containers 881.8 lbs (400 kg) or greater.

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## 15. REGULATORY INFORMATION

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### WHMIS CLASSIFICATION

This product is registered under the Pest Control Products Act and is therefore exempt from WHMIS supplier labeling and MSDS requirements. Please read entire MSDS and product label for safety precautions.

### CPR Compliance

This product has been classified with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

### CHEMICAL INVENTORY

**Canada:** This product is exempt from the New Substances Notification Regulations under CEPA when used as a component in a registered pesticide formulation., PCP# 27925  
**United States:** This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from TSCA Inventory listing requirements.

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## 16. OTHER INFORMATION

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STP	Standard temperature and pressure
W/W	Weight/Weight

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THE OPINIONS EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN CHEMTURA CORPORATION. WE BELIEVE THAT THE INFORMATION CONTAINED HEREIN IS CURRENT AS OF THE DATE OF THIS SAFETY DATA SHEET. SINCE THE USE OF THIS INFORMATION AND OF THESE OPINIONS AND THE CONDITIONS OF USE OF THIS PRODUCT ARE NOT WITHIN THE CONTROL OF CHEMTURA CORPORATION, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCTS.

**(M)SDS# 00000030497**

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