



# MATERIAL SAFETY DATA SHEET

## ACRAMITE®-50WS

**Version:** 1.7  
**Date of Issue:** 04/11/2008  
**Date printed:** 04/12/2008

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**Product name :** ACRAMITE®-50WS EPA REG. NO 400-503

**Chemical name:** Bifenazate

**Use of substance/preparation:** Miticide

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

**Emergency telephone number:** CHEMTREC (24 hours) 800-424-9300, 703-527-3887  
Chemtura Corporation Emergency Response (24 hours) 800-292-5898

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

**Prepared by** Product Safety Department Date of Issue: 04/11/2008  
(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
Silicon dioxide CAS# 7631-86-9	< 10
Inerts CAS# -	< 50



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

### 4. FIRST AID MEASURES

#### Swallowing

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 the poison control center or doctor. Do not 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

#### Skin contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

#### Eye contact

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

### 5. FIRE-FIGHTING MEASURES

**Flash point:** > 230 °F > 110 °C  
**Flammable limits:**  
**Lower limit:** Not available  
**Upper limit:** Not available  
**Autoignition temperature:** Not available

#### NFPA CLASSIFICATION

<b>Health: 1</b>	<b>Flammability: 1</b>	<b>Reactivity: 0</b>	<b>Special provisions:</b>
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#### 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.

### 6. ACCIDENTAL RELEASE MEASURES



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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.

## 7. HANDLING AND STORAGE

### 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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMIT VALUES

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Kaolin clay		ACGIH - respirable dust	2 mg/m3	8 hours
Silicon dioxide	USA	TWA, OSHA	5 mg/m3	Respirable dust
Silicon dioxide	USA	TWA, OSHA	15 mg/m3	Total dust
Silicon dioxide	USA	TWA, ACGIH	10 mg/m3	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



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**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** Not available  
**Solubility in water** Insoluble  
**Solubility in organic solvents** Soluble  
**Partitioning coefficient** Not available  
**Flash point** > 230 °F  
> 110 °C  
Method: Setaflash  
**Autoignition temperature** Not available  
**Upper explosion limits** Not available  
**Lower explosion limits** Not available  
**Dynamic viscosity** 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.



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Hazardous combustion products:

Irritating fumes.
Oxides of carbon.
Oxides of nitrogen.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

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

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

12. ECOLOGICAL INFORMATION

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

Table with 2 columns: Component ecotoxicology (Bifenazate, Acute toxicity fish) and LC50 - Rainbow trout (Oncorhynchus mykiss) (Result: 0.76 mg/l, Exposure time: 96 h)



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

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### 13. DISPOSAL CONSIDERATIONS

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**General:** Dispose of in accordance with appropriate Federal, State, and local regulations., Do not discharge to sewers and natural waters.

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### 14. TRANSPORT INFORMATION

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#### DOT Classification

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Bifenazate)  
**Class:** 9  
**UN ID #:** UN3077  
**Packing group:** III  
**marine pollutant:** MARINE POLLUTANT

Not regulated by ground or rail if shipped or transported in container less than 400 kg.

#### 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)

#### ICAO 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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Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.



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**Components present in this product at a level which could require reporting under the statute are:**

\*\*\*\* NONE \*\*\*\*

**Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.**

**Components present in this product at a level which could require reporting under the statute are:**

\*\*\*\* NONE \*\*\*\*

**New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)**

Chemical name	CAS#	New Jersey TS Number
Bifenazate	-	
Kaolin clay	1332-58-7	
Silicon dioxide	7631-86-9	
Inerts	-	

**California Proposition 65**

\*\*\*\* NONE \*\*\*\*

**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.

Food additive  
No data available.

Food contact  
No data available.

Cosmetics  
No data available.

Pharmaceuticals  
No data available.

### 16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS: NOTE TO END-USERS: This MSDS is being provided to all interested persons in accordance with federal and state right-to-know laws. Precautionary Statements, First Aid Statements and Directions for Use of this product by end-users are contained on the product label and must be followed at all times.

**HMIS RATING**

<b>Health: 1</b>	<b>Flammability: 1</b>	<b>Reactivity: 0</b>	<b>PPI: X</b>
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STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	0 (HMIS)
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

Acramite® is a registered trademark of a subsidiary of Chemtura Corporation.



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