



# SAFETY DATA SHEET

## ACRAMITE® 50WS

Version 1.15      Revision Date: 10/07/2015      MSDS Number: 400000004061      Country: US  
Language: EN

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Chronic aquatic toxicity : Category 1

### GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.  
H320 Causes eye irritation.  
H350 May cause cancer.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
P281 Use personal protective equipment as required.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.  
**Storage:**  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

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### Hazardous components

Chemical Name	CAS-No.	Concentration (% w/w)
Bifenazate	149877-41-8	>= 50 - < 70
kaolin	1332-58-7	>= 30 - < 50
silica gel	112926-00-8	>= 5 - < 10
sodium 2-[methyloleoylamino]ethane-1-sulphonate	137-20-2	>= 1 - < 5

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### SECTION 4. FIRST AID MEASURES

- If inhaled : If breathed in, move person into fresh air.  
Give oxygen or artificial respiration if needed.  
Consult a physician after significant exposure.
- In case of skin contact : Remove contaminated clothing and shoes.  
Wash off with warm water and soap.  
If symptoms persist, call a physician.
- In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes  
and consult a physician.
- If swallowed : Do NOT induce vomiting.  
Rinse mouth with water.  
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : Allergic reactions  
irritant effects  
May cause an allergic skin reaction.  
Causes eye irritation.  
May cause cancer by inhalation.
- Notes to physician : The first aid procedure should be established in consultation  
with the doctor responsible for industrial medicine.
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### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Foam  
- water fog
- Unsuitable extinguishing media : Water spray
- Specific hazards during fire-fighting : No information available.
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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Further information : 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 (EN 133)

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.  
Avoid contact with skin and eyes.

Environmental precautions : Toxic to fish.  
Do not allow uncontrolled discharge of product into the environment.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

Methods and materials for containment and cleaning up : Remove all sources of ignition.  
Avoid dust formation.  
Clean up promptly by scoop or vacuum.  
Do not create a powder cloud by using a brush or compressed air.  
Keep in suitable, closed containers for disposal.  
Ventilate the area.

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### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Handle and open container with care.  
Use only in area provided with appropriate exhaust ventilation.  
Avoid dust formation.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Avoid inhalation, ingestion and contact with skin and eyes.  
Keep container closed when not in use.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Store at room temperature in the original container.  
Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
kaolin	1332-58-7	TWA (Respirable fraction)	2 mg/m <sup>3</sup>	ACGIH
		TWA (total)	15 mg/m <sup>3</sup>	OSHA Z-1

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		dust)		
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (Total dust)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
silica gel	112926-00-8	TWA	6 mg/m <sup>3</sup>	OSHA P0
		TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m <sup>3</sup> / %SiO <sub>2</sub> (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m <sup>3</sup> / %SiO <sub>2</sub> (Silica)	OSHA Z-3
		TWA	6 mg/m <sup>3</sup> (Silica)	NIOSH REL
		TWA	6 mg/m <sup>3</sup> (Silica)	NIOSH REL
quartz (SiO <sub>2</sub> )	14808-60-7	TWA (Respirable fraction)	0.025 mg/m <sup>3</sup>	ACGIH
		TWA (total dust)	30 mg/m <sup>3</sup> / %SiO <sub>2+2</sub>	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO <sub>2+5</sub>	OSHA Z-3
		TWA (respirable)	10 mg/m <sup>3</sup> / %SiO <sub>2+2</sub>	OSHA Z-3
		TWA (Respirable fraction)	0.1 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	0.1 mg/m <sup>3</sup>	OSHA P0
		TWA (Respirable fraction)	0.025 mg/m <sup>3</sup> (Silica)	ACGIH
		TWA (respirable dust)	0.05 mg/m <sup>3</sup> (Silica)	NIOSH REL

### Engineering measures

- : Use mechanical ventilation for general area control. Ensure that extracted air cannot be returned to the workplace through the ventilation system.
- Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protective equipment

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.

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Respirator with combination filter for vapour/particulate (EN 141)

### Hand protection

Remarks : Chemical resistant protective gloves

Eye protection : Safety glasses with side-shields

Skin and body protection : Long sleeved clothing  
Remove and wash contaminated clothing before re-use.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Ensure adequate ventilation, especially in confined areas.  
Avoid contact with skin, eyes and clothing.  
Do not breathe dust.  
Wear suitable gloves and eye/face protection.  
When using do not eat, drink or smoke.  
Wash thoroughly after handling.  
Keep working clothes separately.  
Remove and wash contaminated clothing before re-use.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Colour : white, to, off-white

Odour : No data available

Odour Threshold : No data available

pH : 10.3

Melting point/range : No data available

Boiling point/boiling range : Not applicable

Flash point : Not applicable

Evaporation rate : Not applicable

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : Not applicable

Relative vapour density : Not applicable

Relative density : No data available

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Solubility(ies)  
Water solubility : slightly soluble  
Solubility in other solvents : partly soluble  
Partition coefficient: n-octanol/water : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity  
Viscosity, dynamic : Not applicable  
Viscosity, kinematic : Not applicable  
Self-Accelerating decomposition temperature (SADT) : Method: No information available.

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : Hazardous polymerisation does not occur.  
Conditions to avoid : Extremes of temperature and direct sunlight.  
Incompatible materials : Oxidizing agents  
Strong acids and strong bases  
Hazardous decomposition products : Burning produces noxious and toxic fumes.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Skin contact  
Eye contact  
Inhalation

#### Acute toxicity

##### **Product:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Acute inhalation toxicity : LC50 (Rat): > 5.2 mg/l  
Exposure time: 4 h  
Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

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### **Components:**

#### **Bifenazate:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

LD50 (Mouse, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : LC50 (Rat, male and female): > 4.4 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: yes  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes

#### **kaolin:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

#### **silica gel:**

Acute oral toxicity : LD50 (Rat): > 22,500 mg/kg

### **Skin corrosion/irritation**

#### **Product:**

Species: Rabbit  
Result: Mild skin irritation  
Remarks: May cause slight irritation.

### **Components:**

#### **Bifenazate:**

Species: Rabbit  
Exposure time: 4 h  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes

#### **silica gel:**

Result: No skin irritation



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### Serious eye damage/eye irritation

#### Product:

Species: Rabbit  
Result: Mild eye irritation

#### Components:

##### **Bifenazate:**

Species: Rabbit  
Result: No eye irritation  
Exposure time: 48 h  
Method: OECD Test Guideline 405  
GLP: yes

##### **silica gel:**

Result: No eye irritation

### Respiratory or skin sensitisation

#### Product:

Remarks: May cause sensitisation of susceptible persons by skin contact.

#### Components:

##### **Bifenazate:**

Test Type: Maximisation Test (GPMT)  
Species: Guinea pig  
Assessment: May cause sensitisation by skin contact.  
Method: OECD Test Guideline 406  
GLP: yes

### Germ cell mutagenicity

#### Product:

Germ cell mutagenicity - Assessment : negative

#### Components:

##### **Bifenazate:**

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative  
GLP: yes

: Test Type: In Vitro mammalian Cell Gene Mutation Test  
Metabolic activation: with and without metabolic activation  
Result: negative  
GLP: yes

: Test Type: Chromosome aberration test in vitro  
Metabolic activation: with and without metabolic activation  
Result: negative

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GLP: yes

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse  
Result: negative  
GLP: yes

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

### Carcinogenicity

#### Components:

##### **Bifenazate:**

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

##### **silica gel:**

Carcinogenicity - Assessment : IARC Class 3, not classifiable as to carcinogenicity to humans

#### **IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Group 1: Carcinogenic to humans

kaolin 1332-58-7

#### **OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### **NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Known to be human carcinogen

kaolin 1332-58-7

### Reproductive toxicity

#### Product:

Reproductive toxicity - Assessment : negative  
negative

#### Components:

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### **Bifenazate:**

Reproductive toxicity - Assessment : No toxicity to reproduction  
No effects on or via lactation

### **STOT - single exposure**

#### **Components:**

##### **Bifenazate:**

Assessment: Based on available data, the classification criteria are not met.

### **STOT - repeated exposure**

#### **Components:**

##### **Bifenazate:**

Assessment: Based on available data, the classification criteria are not met.

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## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Components:**

##### **Bifenazate:**

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.58 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
GLP: yes

LC50 (Oncorhynchus mykiss (rainbow trout)): 0.76 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.5 mg/l  
Exposure time: 48 h  
Test Type: flow-through test  
GLP: yes

LC50 (Crassostrea virginica): 0.42 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
GLP: yes

Toxicity to algae : IC50 (Lemna gibba (gibbous duckweed)): > 3.82 mg/l  
Exposure time: 7 d  
Analytical monitoring: yes  
GLP: yes

NOEC (Lemna gibba (gibbous duckweed)): > 3.82 mg/l  
Exposure time: 7 d  
Analytical monitoring: yes  
GLP: yes

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NOEC (*Selenastrum capricornutum* (green algae)): 0.25 mg/l  
Exposure time: 96 h  
GLP: yes

ErC50 (*Selenastrum capricornutum* (green algae)): > 2.02 mg/l  
Exposure time: 96 h  
GLP: yes

EbC50 (*Selenastrum capricornutum* (green algae)): 0.9 mg/l  
Exposure time: 96 h  
GLP: yes

NOEC (*Navicula pelliculosa*): 0.52 mg/l  
Exposure time: 96 h  
GLP: yes

EbC50 (*Navicula pelliculosa*): 0.82 mg/l  
Exposure time: 96 h  
GLP: yes

ErC50 (*Navicula pelliculosa*): 1.4 mg/l  
Exposure time: 96 h  
GLP: yes

NOEC(b) (*Anabaena flos-aquae* (cyanobacterium)): 0.53 mg/l  
Exposure time: 96 h  
GLP: yes

NOEC(r) (*Anabaena flos-aquae* (cyanobacterium)): 1.13 mg/l  
Exposure time: 96 h  
GLP: yes

EbC50 (*Anabaena flos-aquae* (cyanobacterium)): 1.8 mg/l  
Exposure time: 96 h  
GLP: yes

ErC50 (*Anabaena flos-aquae* (cyanobacterium)): > 4.48 mg/l  
Exposure time: 96 h  
GLP: yes

NOEC (*Skeletonema costatum* (marine diatom)): 0.2 mg/l  
Exposure time: 96 h  
GLP: yes

EbC50 (*Skeletonema costatum* (marine diatom)): 0.3 mg/l  
Exposure time: 96 h  
GLP: yes

ErC50 (*Skeletonema costatum* (marine diatom)): 0.36 mg/l  
Exposure time: 96 h  
GLP: yes

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- M-Factor (Acute aquatic toxicity) : 1
- Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.017 mg/l  
Exposure time: 87 d  
Test Type: flow-through test  
Analytical monitoring: yes  
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.15 mg/l  
Exposure time: 21 d  
Analytical monitoring: yes  
GLP: yes
- M-Factor (Chronic aquatic toxicity) : 1
- Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): > 1,250 mg/kg  
Exposure time: 14 d  
GLP: yes
- NOEC (Eisenia fetida (earthworms)): 95 mg/kg  
Exposure time: 14 d  
GLP: yes
- Toxicity to terrestrial organisms : LD50 (Apis mellifera (bees)): 8.50 µg/bee  
Exposure time: 48 h  
End point: mortality  
GLP: yes
- kaolin:**
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 1,100 mg/l  
Exposure time: 48 h
- silica gel:**
- Toxicity to fish : LC50 (Fish): > 10,000 mg/l  
Exposure time: 96 h  
Test Type: static test

### Persistence and degradability

#### Components:

##### **Bifenazate:**

Biodegradability : Result: According to the results of tests of biodegradability this product is not readily biodegradable.

### Bioaccumulative potential

#### Components:

##### **Bifenazate:**

Partition coefficient: n-octanol/water : log Pow: 3.4 (25 °C)

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### Mobility in soil

#### Product:

Mobility : Remarks: No data available

### Other adverse effects

#### Product:

Results of PBT and vPvB assessment : No data available

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No information on ecology is available. Information refers to the main component.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of as special waste in compliance with local and national regulations.

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## SECTION 14. TRANSPORT INFORMATION

### International Regulation

#### **UNRTDG**

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Bifenazate)  
Class : 9  
Packing group : III  
Labels : 9

#### **IATA-DGR**

UN/ID No. : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., Environmentally hazardous substance, solid, n.o.s. (Bifenazate)  
Class : 9  
Packing group : III

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Labels : Miscellaneous  
Packing instruction (cargo aircraft) : 956  
Packing instruction (passenger aircraft) : 956

### IMDG-Code

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Bifenazate)  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### 49 CFR

UN/ID/NA number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S. (Bifenazate)  
Class : 9  
Packing group : III  
Labels : CLASS 9  
ERG Code : 171  
Marine pollutant : yes(Bifenazate)  
Remarks : Not regulated by DOT and TDG if shipped or transported in packaging less than 400KG by road and/or rail. Please refer to 49 CFR for any details.

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## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SSARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### California Prop. 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

kaolin	1332-58-7
quartz (SiO <sub>2</sub> )	14808-60-7

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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### FIFRA Hazard Information:

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

The hazard information required on the pesticide label is reproduced below.

### CAUTION

Causes moderate eye irritation. Wear protective eyewear. Avoid contact with eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.



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This pesticide is toxic to birds, estuarine/marine invertebrates and fish. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are foraging the treatment area.

Do not use or store near heat or open flame.

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### SECTION 16. OTHER INFORMATION

#### Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

# SAFETY DATA SHEET

## ACRAMITE® 50WS

Version  
1.15

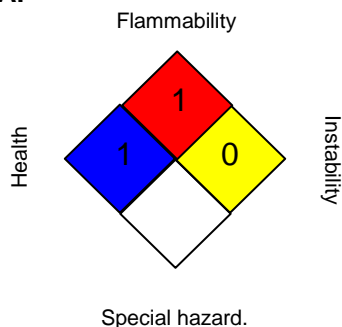
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### Further information

#### NFPA:



#### HMIS III:

HEALTH	1*
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN

### Carechem24 International Worldwide Coverage

#### Emergency Phone Number

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	China	+86 532 8388 9090
	China Taiwan	+86 10 5100 3039
	Japan	+81 345 789 341
	Indonesia	00780 3011 0293
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<u>Latin America:</u>	Brazil	+55 113 711 9144
	Mexico	+52 555 004 8763
	Chile	+56 225 829 336
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