

CimeXa™

insecticide dust

For Control of: Ants, Cockroaches, Firebrats, Silverfish, Spiders, Mites, Bed Bugs, Lice, Fleas, Ticks, Stored Product/Pantry/Fabric/Clothes Beetles and Moths & Drywood Termites

Kills Bed Bug Adults & Nymphs

Kills Bed Bug Nymphs Hatched from Dusted Eggs

Kills Pyrethroid-Resistant Bed Bugs

Lasts Up to Ten Years When Undisturbed

Provides Fast Control

Odorless • Non-Staining

KEEP OUT OF REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

First Aid

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 five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

EPA Reg. No.: 73079-12

EPA Est. No.: 73079-MO-1

Net Contents: 4 oz, 5 lbs

Active Ingredient: Silicon Dioxide as Amorphous Silica.....92.1%
Other Ingredients.....7.9%
Total.....100.0%



DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Use Restrictions: In edible product areas of food handling establishments, restaurants or other areas where food is commercially prepared or processed, or in serving areas when food is exposed, this product may only be applied as a crack and crevice treatment. Any product remaining outside of cracks and crevices must be cleaned up and removed.

Application Directions

Use Sites: In and around residential, multi-family, commercial, industrial, institutional, municipal, agricultural, research, day care, health care, educational, recreational, and office buildings, hotels, motels, garages, transport vehicles, warehouses, theaters, and other manmade structures, and food handling and food processing establishments.

General Information: CimeXa™ is a desiccant dust that has no odor and will not stain. When pests contact CimeXa™, the product clings to their exoskeleton and absorbs the waxy coating, causing death from dehydration.

Application Rates and Methods: Apply at a rate of 2 ounces per 100 square feet. In attics and crawlspaces, apply at a rate of 1 lb per 1000 square feet. Use a handheld bellows, bulb or puffer bottle type duster to apply a light, visible film. A craft or paint brush is useful for pushing dust into cracks and crevices, and into tufts and folds of mattresses and cushions. A power duster may also be used. Power duster use is limited to cracks, crevices, voids, attics and crawlspaces to insure containment of dust particles. **Liquid Application:** The product may be used as a spray, paint on application, or foam. Combine up to 1 lb of product with 1 gallon of clean water. Apply approximately 1 quart of product/water slurry per 250 square feet of area to be treated. The product does not dissolve in water and will be left behind and visible after evaporation. For injection treatment, add the appropriate amount of foaming agent to the product/water slurry and inject directly into galleries and voids.

General Pest (Ants, Cockroaches, Firebrats, Silverfish, Spiders, Mites) Treatment: Treat attics, crawl spaces, trash closets, utility closets, behind baseboards, around the perimeter of dropped ceilings, in hollow furniture legs; under and behind bedding, appliances and vending machines; in wall voids and voids under and behind cabinets, sinks and tubs; in drawer wells, garbage chutes, pipe chases, weep holes in brick or siding, elevator pits, around drains, around electrical conduits and in cracks and crevices where insects may harbor. Focus application in areas where insects or their signs are seen.

Application tips for certain use sites follow:

1. In attics, be sure to get dust near the eaves and vent pipes where insects often first enter, as well as around any pipes or potential access points between the attic and the main structure.
2. When treating cabinetry areas, if there is no gap between the lower cabinets and the kickplate, then small holes can be drilled to access the voids. Escutcheon plates around pipes can also be pulled back to allow access to voids.
3. The bottom drawers in kitchen and bathroom cabinets can be removed and dust applied into drawer wells. No dust should be left exposed when drawers are replaced.
4. Electrical switch plate covers can be removed to allow access to voids, but dust shouldn't be applied directly in electrical boxes.
5. If there are cracks between baseboards, cabinets, doorframes, hinges, counters or trim, and walls, these cracks can be lightly dusted with product. If practical, these areas can be sealed once insect problems have been eliminated, to help prevent future problems.
6. Insects need moisture, so kitchen and bath areas and areas immediately surrounding them, and any other damp areas should be carefully inspected and treated if necessary.

Bed Bug Treatment: Remove bedding and take the bed apart. Treat the interior framework, joints and cracks in the bed frame. Treat the mattress and box spring, paying particular attention to tufts, folds and edges, and the interior framework of the box spring. Remove wall-mounted head boards and treat the back side. Treat picture frames, moldings, hollow furniture legs, cracks and crevices,

along baseboards, and any areas with visible signs of infestation, including rugs and carpet. Treat upholstered furniture by removing or lifting (if possible) the cushions and treating the undersurface. Treat the interior framework, cracks and joints of the furniture, and the folds, tufts and edges of cushions and other upholstered areas. Do not treat toys and stuffed animals with product. Treat wall voids by removing electrical switch plate covers to allow access, but don't apply dust directly in electrical boxes. Apply about 1/4 oz of dust to each accessible void.

Flea, Lice and Tick Treatment: Treat kennels, pet bedding/rest areas, floor and floor coverings, cracks behind molding and baseboards and other areas where pests may harbor.

Stored Product (Pantry and Fabric/Clothes) Beetles and Moths: Treat cracks, crevices and along the edges of cupboards, closets, pantries, shelving units and storage. Treat voids beneath drawer units by removing the lower drawers and treating the well. Treat the voids beneath shelving units or cabinets by removing the kickplate or drilling small access holes in the kickplate. Treat under rugs and along the edges of carpets and baseboards and other infested areas to control carpet beetles.

Drywood Termite Treatment: For existing infestations of drywood termites, use a drill or probe to locate and access galleries and inject product directly into galleries. An electric or pneumatic duster which produces a pressure of at least 30 psi and no more than 175 psi should be used to force dust throughout galleries. Any holes left in framing covering must be closed and sealed.

Drywood Termite Prevention: Apply at a rate of 1 lb per 1000 square feet in attics and crawlspaces so that the product coats wood members. Drill periodic access holes into wall and ceiling voids and inject the dust at a rate of 1 lb per 1000 square feet of surface area. Insure sufficient holes are drilled to cover interior framing in voids. The working pressure range of electric or pneumatic dusters should be from 30 to 175 psi and the air supply should be dried if the relative humidity is higher than 50%.

Food Processing and Handling Establishment Application, Including Federally-Inspected Meat and Poultry Plants: In food areas, only apply dusts in cracks, crevices, and other inaccessible areas. Avoid contamination of food and feedstuffs. Avoid introducing the product into the air. Never apply powder directly to a surface where food is stored, prepared or served. Any dust that is left visible after treatment should be removed and the exposed surface washed. Food areas include: processing areas, including enclosed systems such as syrup and oil plants, dairies, and mills; packing areas, including bottling, canning, wrapping and boxing; receiving areas; storage areas, including edible waste storage; and serving areas, such as dining rooms. In these areas, dust sparingly into cracks and crevices, such as along baseboards and between construction elements. Do not apply in serving areas when facility is in operation or when food is exposed. Do not treat surfaces likely to be contacted by food.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Storage: Store in a dry place. Do not store where children or animals may gain access.

Disposal: If Empty: Non-refillable container. Do not reuse this container. Place in trash or offer for recycling if available. If Partly Filled: Call your local solid waste agency or 1-800-CLEANUP which is managed as a public-private partnership.

Manufactured By:



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V0616-060116



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Version 1.0

1. PRODUCT IDENTIFICATION

1.1. Product Identifiers

Product name : CimeXa™ Insecticide Dust

1.2. Other Means of Identification

Product synonyms : none

1.3. Recommended Uses/Restrictions to Use

Uses : Amorphous silica gel dust for the control of various pest species per label

Restrictions : See product label for details

1.4. Supplier Details

Company : Rockwell Labs Ltd
1257 Bedford Avenue
North Kansas City, MO 64116-4308
USA

Telephone : 1 816-283-3167

1.5. Emergency Contact

Outside normal business hours

Emergency Phone # : 1 800-424-9300 (USA & Canada)
1 703-527-3887 (Outside USA & Canada)

2. HAZARDS IDENTIFICATION

2.1. Classification of Substance or Mixture

none

2.2. GHS label elements, including precautionary statements

Pictogram(s) none

Signal word none

Hazard statement(s) none

Precautionary statement(s) none

2.3. Other hazards which do not result in classification



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Ensure relevant engineering controls are employed to prevent exceeding threshold values for the listed control parameters in section 8.1.

8.3. Individual protection measures, such as personal protective equipment (PPE)

In normal use and handling conditions refer to the product label for required PPE. In all other cases the following recommendations would apply.

Eye/face protection

Safety glasses or other similar eye protection conforming to ANSI Z87.1 standards recommended when handling product.

Skin protection

Chemical resistant nitrile rubber or similarly compatible gloves recommended when handling product. Dispose of contaminated gloves after use in accordance with applicable local and state regulations. Wash exposed skin with soap and water immediately. Wash all contaminated clothing prior to reuse.

Respiratory protection

Not required under normal use conditions. When risk assessment shows need for air-purifying respirators use NIOSH approved respirators when handling material with the following airborne concentrations:

Up to 30 mg/m³:

(APF = 5) Any quarter-mask respirator.

Up to 60 mg/m³:

(APF = 10) Any particulate respirator equipped with an N95, R95, or P95 filter (including N95, R95, and P95 filtering facepieces) except quarter-mask respirators. The following filters may also be used: N99, R99, P99, N100, R100, P100.

(APF = 10) Any supplied-air respirator

Up to 150 mg/m³:

(APF = 25) Any supplied-air respirator operated in a continuous-flow mode

(APF = 25) Any powered, air-purifying respirator with a high-efficiency particulate filter.

Up to 300 mg/m³:

(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.

(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode

(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter

(APF = 50) Any self-contained breathing apparatus with a full facepiece

(APF = 50) Any supplied-air respirator with a full facepiece

Up to 3000 mg/m³:

(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Thermal hazards

None known

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties



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Appearance;	White powder
Odor;	Odorless
Odor threshold;	No data available
pH;	2.0 – 4.5 (20 °C)
Melting point/freezing point;	>1700 °C (>3092 °F)
Initial boiling point and boiling range;	>1700 °C (>3092 °F)
Flash point;	No data available
Evaporation rate;	No data available
Flammability (solid, gas);	Product is not flammable
Upper/lower flammability or explosive limits;	No data available
Vapor pressure;	No data available
Vapor density;	No data available
Relative density;	0.24 g/ml
Solubility;	Insoluble
Partition coefficient: n-octanol/water;	No data available
Auto-ignition temperature;	No data available
Decomposition temperature;	No data available
Viscosity;	No data available

9.2. Additional Information

No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available



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10.6. Hazardous decomposition products

Other decomposition products – no data available

In the event of a fire: see Section 5

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

LD50 Oral – Rat – > 5000 mg/kg

LD50 Dermal – Rat – > 6000 mg/kg

LD50 Inhalation – Rat – > 2000 mg/m³/4h

Maximum attainable concentration, mortality does not appear.

Skin corrosion/irritation

Skin – Rabbit

Results: not an irritant

(OECD Test Guideline 404)

Serious eye damage/irritation

Eye – Rabbit

Results: not an irritant

(OECD Test Guideline 405)

Respiratory or skin sensitization

Not a known sensitizer

Germ cell mutagenicity

AMES Test – > 5 mg/plate (in vitro)

Results: negative, with and without metabolic activation

(OECD Test Guideline 471)

Carcinogenicity

IARC: Category for silica, amorphous (7631-86-9) applies to silicas that may contain crystalline silica.

The silica in this product is synthetic and does not contain crystalline silica. IARC: Category 3.

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

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

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

Repeated Dose Toxicity

Oral – NOAEL (90 d) – Rat

Results: 9000 mg/kg bw/day

(OECD Test guideline 408)

Inhalative – NOAEC (90 d) – Rat

Results: 1 mg/m³ (rat)



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(OECD Test Guideline 413)

Reproductive toxicity

Oral – NOAEL (maternal toxicity/teratogenicity) – Rat

Results: 1350 mg/kg bw/day

(OECD Test Guideline 414)

Specific target organ toxicity – single exposure

No data available

Specific target organ toxicity – repeated exposure

No data available

Aspiration hazard

No data available

11.2. Other information

No data available

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity to fish

LC50 – Danio rerio (Zebra Fish) - > 10,000 mg/l – 96 h

Toxicity to daphnia

EC50 – Daphnia magna (Water flea) - > 1000 mg/l – 24 h

and other aquatic

EC50 – Scenedesmus subspicatus (Algae) - > 10000 mg/l – 72 h

invertebrates

12.2. Persistence and degradability

Amorphous silica dioxide is chemically and biologically inert. By the insolubility in water there is a separation at every filtration and sedimentation process.

12.3. Bioaccumulative potential

Does not accumulate in organisms.

12.4. Mobility in soil

No data available

12.5. Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1. Disposal Methods.

The best disposal method is to use the entire quantity per label directions. If it is necessary to dispose of unused material then follow the label instructions and relevant local, state and federal waste disposal guidelines.

Product Disposal:

Do not contaminate water, food or feed by storage or disposal.

Packaging Disposal:

If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP which is managed as a public-private partnership.

See section 8 for proper PPE and precautionary handling measures.



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This product is very absorbent and may have a drying effect on skin and eyes. When exceeding the OEL (Occupational Exposure Limit) a mechanical overburdening of the respiratory system is possible.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical Identity	Contains (% w/w)	CAS-No.	Hazard Classification
Amorphous silicon dioxide (silica gel)	97-100	7631-86-9	none

3.2. Mixtures

Not applicable

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Consult a physician or poison control center. Provide this safety data sheet to medical personnel. Move out of hazardous areas.

If inhaled

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.

In case of skin contact

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.

In case of eye contact

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

If swallowed

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.

4.2. Most important symptoms and effects, both acute and delayed

None known

4.3. Indication of any immediate medical attention and special treatment needed, if necessary

None known

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- 5.2. **Specific hazards arising from the chemical**
 No data available
- 5.3. **Special protective equipment and precautions for fire fighters**
 Wear self contained breathing apparatus for firefighting if deemed necessary.
 Additional information: none.
- 5.4. **Further information**
 No data available

6. ACCIDENTAL RELEASE MEASURES

- 6.1. **Personal precautions, protective equipment and emergency procedures**
 Avoid contact with spilled product and contaminated surfaces. Evacuate personnel to safe areas during emergencies. For safe handling instructions see section 7. For proper PPE see section 8.
- 6.2. **Environmental precautions**
 Prevent further leakage or spillage if safe to do so.
- 6.3. **Methods and materials for containment and cleaning up**
 Sweep up any spilled material and dispose of according to instructions in section 13. Vacuuming or wet sweeping may be used to avoid dust dispersal. Wash contaminated surfaces with soap and water.

7. HANDLING AND STORAGE

- 7.1. **Precautions for safe handling**
 Handle in accordance with good industrial hygiene practices. Wash hands thoroughly with soap and water after use and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse. For additional precautions see section 2.2.
- 7.2. **Conditions for safe storage, including any incompatibilities**
 Store product tightly sealed in original container. Store in a dry location. Do not store where children or animals may gain access.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. **Control parameters**
 Components with workplace parameters

Component	CAS-No.	Value	Control parameters	Basis
Amorphous silicon dioxide	7631-86-9	IDHL	3000 mg/m ³	-----
		TWA	80 mg/m ³ /% SiO ₂	OSHA PEL
		TWA	6 mg/m ³	NIOSH REL
		TWA	10*, 5** mg/m ³	ACGIH TLV *Total dust, ** Respirable fraction

- 8.2. **Appropriate engineering controls**