

---

## 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

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 <sup>3</sup>                      | -----  |
|                           |           | TWA   | 80 mg/m <sup>3</sup> /%<br>SiO <sub>2</sub> | OSHA PEL   |
|                           |           | TWA   | 6 mg/m <sup>3</sup>                         | NIOSH REL  |
|                           |           | TWA   | 10*, 5** mg/m <sup>3</sup>                  | ACGIH TLV<br>*Total dust, ** Respirable fraction |

**8.2. Appropriate engineering controls**

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/m<sup>3</sup>:

(APF = 5) Any quarter-mask respirator.

##### Up to 60 mg/m<sup>3</sup>:

(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/m<sup>3</sup>:

(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/m<sup>3</sup>:

(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/m<sup>3</sup>:

(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

|   |                          |
|---|--------------------------|
| 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

#### 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/m<sup>3</sup>/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/m<sup>3</sup> (rat)

(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  
and other aquatic

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

invertebrates

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

**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.

---

## 14. TRANSPORT INFORMATION

### **DOT**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

---

## 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

KEEP OUT OF THE REACH OF CHILDREN

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.

### **SARA 302 Components**

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

### **SARA 313 Components**

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.

### **SARA 311/312 Hazards**

None

### **California Proposition 65 Components**

This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or reproductive harm.

### **TSCA**

All components of this product are listed, exempted, or excluded from listing on the U.S. Toxic Substances Control Act chemical substance inventory.

---

## 16. OTHER INFORMATION

### **Acronyms and abbreviations used**

LD50                      Lethal Dose, 50%

OECD                     Organization for Economic Cooperation and Development



|         |   |
|---------|---|
| IARC    | International Agency for Research on Cancer   |
| ACGIH   | American Conference of Industrial Hygienists  |
| NTP     | National Toxicology Program                   |
| OSHA    | Occupational Safety and Health Administration |
| DOT     | Department of Transportation                  |
| IMDG    | International Maritime Dangerous Goods        |
| IATA    | International Air Transport Association       |
| SARA    | Superfund Amendments and Reauthorization Act  |
| TSCA    | Toxic Substances Control Act                  |
| CAS-No. | Chemical Abstract Services - Number           |
| PPE     | Personal Protective Equipment                 |
| HMIS    | Hazardous Materials Identification System     |
| NFPA    | National Fire Protection Association          |
| PPM     | Parts Per Million                             |
| TWA     | Time Weighted Average                         |
| IDLH    | Immediately Dangerous to Life or Health       |
| PEL     | Permissible Exposure Limit                    |
| REL     | Recommended Exposure Limit                    |
| TLV     | Threshold Limit Value                         |
| LC50    | Lethal Concentration, 50%                     |
| EC50    | Effective concentration, half maximal         |
| ANSI    | American National Standards Institute         |
| APF     | Assigned Protection Factor                    |

### Hazard Rating System Crossover

| <u>HMIS Rating</u> |   | <u>NFPA Rating</u> |   |
|--------------------|---|--------------------|---|
| Health Hazard:     | 0 | Health Hazard:     | 0 |
| Flammability:      | 0 | Flammability:      | 0 |
| Reactivity:        | 0 | Reactivity:        | 0 |

### Preparation information

|                      |                   |
|----------------------|-------------------|
| Prepared by:         | Rockwell Labs Ltd |
| Version:             | 1.0               |
| Revision Date:       | May 15, 2015      |
| Reason for revision: | none              |

Notice to Reader: The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. Rockwell Labs Ltd provides no warranties, express or implied, and assumes no responsibility for the accuracy and completeness of the data contained herein. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are trademarks of Rockwell Labs Ltd.