

# All Phase - Safety Data Sheet

## 1: Identification

### 1.1 Product identifier

1.1.1 **Trade Name:** All Phase

1.1.2 **Use of the Substance / Preparation:** Organic Fungicide / Bactericide / Insecticide

1.1.3 **Company / Undertaking Identification:**

Circadian Crop Sciences LLC

PO Box 35

Davis, CA 95617

Tel: +1 530 231-5252

Fax: +1 530 231-5252

1.1.4 **Emergency telephone:**

Chemtrec: 800-424-9300

## 2: Hazard(s) Identification

### 2.1 The hazard classification

Eye Irritation                      High

Skin Irritation                      Mild

2.2 **Signal Word:** Caution

2.3 **Hazard statement(s):** Causes eye irritation

2.4 **Pictograms:**



Causes high eye irritation

2.5 **Precautionary statement(s):**

**Prevention**—Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves, protective clothing, eye protection, skin protection.

**IF ON SKIN**—Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Eyes

**IF IN EYES**—Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

2.6 **Hazards not otherwise classified (HNOC):** None identified

### 3: Composition/Information on Ingredients

Component	CAS-No	Weight %
Potassium bicarbonate	298-14-6	20
Potassium sorbate	24634-61-5	19
Sodium lauryl sulfate	151-21-3	1

### 4: First-Aid Measures

- General Advice** If symptoms persist, call a physician.
- Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation persists.
- Skin Contact:** Wash off immediately with plenty of water for at least 15 minutes.
- Inhalation:** Move to fresh air. Obtain medical attention. If not breathing, give artificial respiration.
- Ingestion:** Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

Most important symptoms and effects: None reasonably foreseeable.

Notes to Physician: Treat symptomatically

### 5: Fire-Fighting Measures

#### 5. Fire-fighting Measures

This product may combust at high temperature.

#### 5.1 Extinguishing Media

Water-spray, foam, CO<sub>2</sub>, dry powder

#### 5.2 Special hazard arising from the substance or mixture

Carbon dioxide, carbon monoxide

#### 5.3 Advice for firefighters

Components of dust are combustible at high temperature and may explode when subject to ignition source.

Wear suitable protective clothing.

## 6: Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not breathe dust. Ensure adequate ventilation, especially in confined areas. Forms slippery surfaces with water.

### 6.2 Environmental precautions

Do not discharge large amounts into drains or bodies of water

### 6.3 Methods and material for containment and clean-up

Use personal protective equipment as required. Pick up mechanically, avoiding dust, and store in plastic bags or containers. May be spread over intended application sites at rates up to three ounces per thousand square feet. Waste is non-hazardous and should be accepted at most landfills. Consult local regulations.

## Section 7: Handling and Storage

**7.1 Handling** Wear personal protective equipment. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

**7.2 Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

## Section 8: Exposure Controls/Personal Protection

**8.1. Engineering Controls:** Safety shower and eye bath. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations below threshold limit value of common dust.

**8.2. Respiratory protection:** NIOSH/MSHA or European Standard EN 149 approved respirator when airborne concentrations above threshold limit value of common dust.

**8.3 Eye Protection:** Protective eyeglasses or chemical safety goggles

**8.4 Skin Protection:** Wear long sleeved pants and shirt, socks, closed toed shoes and chemical resistant gloves to minimize skin contact.

## Section 9: Physical and Chemical Properties

**Physical State:** Powder Solid  
**Appearance:** Light cream 5Y 8/2  
**Odor:** Moderate  
**Odor Threshold:** No information available  
**Specific Gravity:** 0.84 gm/ml  
**pH:** 8.0 to 8.5  
**Melting Point/Range:** No information available  
**Boiling Point/Range:** No information available  
**Flash Point:** No information available  
**Evaporation Rate:** Not applicable  
**Flammability (solid,gas):** No information available  
**Flammability or explosive limits**  
**Upper:** No data available  
**Lower:** No data available  
**Heavy Metals**  
Lead < 1 ppm  
Arsenic < 1 ppm  
Chromium < 0.05 ppm  
Copper < 1 ppm  
Mercury < 0.1 ppm  
**Solubility** Highly soluble in water

## Section 10: Stability and Reactivity

- **4.1. Chemical Stability:** Stable under normal temperatures and pressures
- **4.2. Shelf Life:** 24 months period
- **4.3. Hazardous decomposition:** Carbon oxides (CO, CO<sub>2</sub>)
- **4.4. Hazardous polymerization:** Will not occur
- **4.5. Incompatible with:** Not available

## Section 11: Toxicological Information

**Acute toxicity:** Not available. All ingredients are generally recognized as safe by the United States Food and Drug Administration.  
**Skin corrosion/irritation:** Not available.  
**Serious eye damage/eye irritation:** Not available.  
**Respiratory or skin sensitization:** Not available  
**Germ cell mutagenicity:** Not available  
**Carcinogenicity:** Not available  
**Reproductive toxicity:** Not available  
**Specific target organ toxicity – single exposure:** Not available  
**Specific target organ toxicity – repeated exposure:** Not available

## Section 12: Ecological Information

### 12.1 Toxicity

#### European Honeybee (*Apis mellifera ligustica*)

Acute contact LD50 > 1936 µg/bee

proportion or mortality ( $\hat{p}$ ) = 0.0

99% confidence interval on  $\hat{p}$  is (0.00, 0.19)

95% confidence interval on  $\hat{p}$  is (0.00, 0.14)

#### Upland Game Species

##### Coturnix quail (*Coturnix coturnix*)

#### Dietary Toxicity

LC50 > 26,888 mg/kg

proportion or mortality ( $\hat{p}$ ) = 0.0

99% confidence interval on  $\hat{p}$  is (0.00, 0.41)

95% confidence interval on  $\hat{p}$  is (0.00, 0.31)

## Section 13: Disposal Considerations

No special disposal concerns. Contains essential plant nutrients and wetting agents that can benefit soils. Rates up to three ounces of product per thousand square feet of land are considered safe for the environment.

## Section 14: Transport Information

No special transportation concerns

## Section 15: Regulatory Information

Product must be used in accordance with the label accompanying it

## Section 16: Other Information

**Prepared By:** Regulatory Affairs  
Circadian Crop Sciences LLC

**Date of Creation of this SDS:** 03/22/2019

**Last revised:** 03/22/2019

### Employer Responsibilities

Employers must ensure that the SDSs are readily accessible to employees for all hazardous chemicals in their workplace. This may be done in many ways. For example, employers may keep the SDSs in a binder or on computers as long as the employees have immediate access to the information without leaving their work area when needed and a back-up is available for rapid access to the SDS in the case of a power outage or other emergency. Furthermore, employers may want to designate a person(s) responsible for obtaining and maintaining the SDSs. If the employer does not have an SDS, the employer or designated person(s) should contact the manufacturer to obtain one.