

ProLifix - Safety Data Sheet

1: Identification

1.1 Product identifier

1.1.1 **Trade Name:** ProLifix

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

1.1.3 **Company / Undertaking Identification:**

Circadian Crop Sciences, LLC

PO Box 456

Weimar, CA 95736

Tel: +1 530 782-5324

1.1.4 **Emergency telephone:**

Non hazardous

2: Hazard(s) Identification

2.1 The hazard classification

Eye Irritation	Temporary, Slight Irritation
Skin Irritation	Non-irritating, though allergic reaction possible.
Respiratory irritation	Slight
Ingestion	May cause gastrointestinal tract irritation

2.2 **Signal Word:** Caution

2.3 **Hazard statement(s):** None

2.4 **Pictograms:**

NA

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. Use a NIOSH/MSHA or European Standard EN 149 approved respirator when breathing spray mist is unavoidable.

IF ON SKIN—Wash with plenty of soap and water. If skin irritation develops and persists, consult with physician. Ingredients are all FDA GRAS and approved for use in foods, cosmetics, and skin moisturizers.

IF IN EYES—Rinse with water for 15 minutes. Remove contact lenses if applicable. Continue rinsing. Get medical advice/attention if eye irritation persists.

Avoid Breathing Spray Mist—Move to fresh air, and if irritation persists seek medical attention.

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

3: Composition/Information on Ingredients

Component	CAS-No	Weight %
Corn Oil	8001-30-7	49.0
Corrmint oil	68917-18-0	0.2
Other inert ingredients	EPA 25B Compliant	50.8

Amino Acids from ingredients in Prolifix

Alanine 14 mg/kg

Glycine 5 mg/kg

Valine 4 mg/kg

Leucine 7 mg/kg

Isoleucine 2 mg/kg

Allo Isoleucine 2 mg/kg

Serine 1 mg/kg

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Proline 43 mg/kg
Asparagine 1 mg/kg
Aspartic Acid 23 mg/kg
Glutamic Acid 5 mg/kg
Phenylalanine 5 mg/kg
Lysine 4 mg/kg
Tyrosine 2.7 mg/kg
Tryptophan 1 mg/kg

1-Triacontanol 10 mg/kg

Vitamin E, Coenzyme Q, Iodide, Zeaxanthin, Linoleic Acid, Oleic Acid, Palmitic Acid, Stearic Acid, and Vitamins D3, K1, A, B1, B2, B5 from raw corn oil

4: First-Aid Measures

General Advice	If symptoms persist, call a physician.
Eye Contact:	Rinse immediately with plenty of water for 15 minutes. Get medical attention if irritation persists.
Skin Contact:	Wash off with soap and water.
Inhalation:	Move to fresh air. Seek medical attention if lung irritation persists.
Ingestion:	Rinse mouth with water and drink plenty of water. May temporarily irritate stomach and cause loose bowels.
Notes to Physician:	Treat symptomatically

5: Fire-Fighting Measures

5. Fire-fighting Measures

This product will not sustain a fire after exposure to open flame.

5.1 Extinguishing Media

Water-spray, foam, CO₂, dry powder

5.2 Special hazard arising from the substance or mixture

Carbon dioxide, carbon monoxide

5.3 Advice for firefighters

Wear suitable protective clothing. Spilled product is slippery and poses a falling hazard.

6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Spills are slippery on smooth surfaces

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, and store in plastic bags or containers. May be spread over intended application sites at rates up to one pound per thousand square feet and actually benefit soil. Keep out of waterways. 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. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.

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 recommended at mixing/application site.

8.2. Respiratory protection: NIOSH/MSHA or European Standard EN 149 approved respirator when breathing spray mist for extended period is unavoidable.

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: Liquid suspension & oil/water emulsification

Appearance: Tan Musell 7.5 YR6/4

Odor: corn, mint, licorice

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Odor Threshold: No information available

Specific Gravity: 0.85 gm/ml

pH: 9.0 to 10.0

Melting Point/Range: Not applicable

Boiling Point/Range: No information available

Flash Point: No information available

Evaporation Rate: No information available

Flammability (solid,gas): Not flammable

Flammability or explosive limits

Upper: Not flammable

Lower: Not flammable

Heavy Metals

NA

Solubility Emulsifies 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, CO₂)
- **4.4. Hazardous polymerization:** Will not occur
- **4.5. Incompatible with:** Not available

Section 11: Toxicological Information

Acute toxicity: NA

Mammalian Acute Toxicity—NA

Skin corrosion/irritation: None. FDA GRAS ingredients approved for cosmetics and use in foods.

Serious eye damage/eye irritation: No.

Acute Ocular Irritation/Corrosiveness—NA

Respiratory of 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

25(b) Exempt ingredients

Section 13: Disposal Considerations

No special disposal concerns. Contains essential plant nutrients and wetting agents that can benefit soils. Rates up to 1 gallon of concentrate per thousand square feet of land are considered safe for application to soil.

Section 14: Transport Information

No special transportation concerns

Section 15: Regulatory Information

FIFRA exempt.

Local Agricultural Commissioners may have specific requirements concerning 25(b) pesticides

Section 16: Other Information

Prepared By: Regulatory Affairs

Circadian Crop Sciences, LLC

Date of Creation of this SDS: 01/01/2021

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.