

Section 1 – Chemical Product and Company Identification**Product Name: EcoWorks EC**

EPA Reg. #: 89152-4

Product Use: Insecticide, Miticide, Nematicide and Fungicide. End use Formulation**Company Identification:**

ECOSTADT TECHNOLOGIES LLC
 1024 Iron Point Road, Suite 100-1318
 Folsom, CA 95630
 Phone: (916) 357-6607
 Fax: (916) 357-6501

Emergency call:**National Pesticide information Center (NPIC)**

1-800-858-7358 – 6.30 am to 4.30 pm Pacific Time
 1-800-222-1222 – During Other Times

Chemtrec call: 800-424-9300 / 1-703-527-3887**Section 2 – Hazards identification****Classification of substance:**

Harmful if inhaled

GHS labeling elements:

The substance is classified and labeled according to the Globally Harmonized System (GHS):

Hazard pictograms:**Signal Word:** Warning**Hazard-determined components of labeling:** Neem oil**Hazard statements:**

H332: Harmful if inhaled

Precautionary Statements:**Prevention:** P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P271: Use only outdoors or in a well-ventilated area

Response:**P304 & P340: If Inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a poison center or doctor/physician if you feel unwell.

Other Information: Toxic to fish and aquatic life.**Section 3 – Composition/information of ingredient**

Chemical Name	Trade names and Synonyms	Weight Percent	CAS No.
NEEM Oil	Neem Oil (COLD PRESSED)	70%	8002-65-1
Other Ingredients	Non-Toxic and non-hazardous*	30%	

Proprietary components*Section 4 – First Aid Measures**

Symptoms	Inhalation: May be irritating to mucous membranes and excessive exposure may result in drowsiness. Swallowed: May cause drowsiness.
Skin:	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.
Inhalation:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Get medical attention.
Eyes:	Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.
Swallowed:	Induce vomiting by gastric lavage. Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Note to Physicians

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the Poison Control Center 800-222-1222.

Section 5 – Fire Fighting Measure

Extinguishing media: Use dry powder or sand, carbon dioxide, or regular foam. Move containers from fire area if you can do it without risk.

Fire and Explosive Hazards: Flash Point: >216.5 °F (102.5 °C), Auto ignition temperature has not been established.

Special fire fighting procedures: Fireman should wear self-contained breathing apparatus with full facepiece, complete fire protection clothes and shoes. Do not access if tank is on fire. Avoid inhalation of materials. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

See Section 10 for decomposition products.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Consult an expert on the disposal of recovered material. Wear approved respiratory protection, chemically compatible gloves and protective clothing. Keep unprotected people away. Allow work against the wind and remove all people upwind. Use adequate ventilation to prevent inhalation. Prevent use of contaminated building, area, and equipment until decontaminated. Evacuate personnel, thoroughly ventilate area, and use self-contained breathing apparatus and protective clothing.

Environmental precautions: Harmful to aquatic organisms. Prevent runoff and contact with sources of water including but not limited to drains, sewers, lakes and ponds. In case of large spill, inform the relevant authorities.

Methods and material for containment and cleaning up:

In case small leak or spill: Dike spill. Absorb spilled material with Dri-Rite, sawdust, sand, or other adsorbent material, taking care not to generate dust. Collect clean-up material into drums, cover, and label for disposal according to local regulations. Scrub contaminated area with detergent and water. Prevent liquid from entering sewers, waterways, or low areas. Product is not regulated under RCRA or CERCLA.

In case large leak or spill: Stay upwind and keep out of low areas. Prevent from contaminating waterways. Dispose of waste in accordance with local regulation. Wear appropriate respirator and other protective clothing. Shut off source of leak only if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material; place in non-leaking containers and seal tightly for proper disposal.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 – Handling and Storage

Precautions for safe handling: Do not contaminate water, food, or feed by storage or disposal. Wash hands before eating, drinking, chewing gum, using tobacco products, or using the toilet. Remove clothing immediately if pesticide gets inside and then wash thoroughly and put on clean clothes. Use product only in well-ventilated place. Do not contaminate water, food, or feed by storage. Since emptied containers retain product residue (vapor, liquid) follow all SDS and label warnings even after container is empty. Keep protective respiratory device available.

Conditions for Safe Storage, including any incompatibilities

Storage: Keep in tightly closed and original containers. Do not re-fill or re-use containers. Dispose of containers in an approved waste facility. Keep out of the reach of children. Keep away from food, drink and animal feeding stuff. Keep in properly labeled container.

Requirements to be met by storerooms and receptacles: Store in cool, dry place. Do not store this product above 105 °F or below 32°F for extend periods of time. Best to keep in cool dry place and to avoid direct sunlight.

Reference to other sections:

See Section 10 for incompatibilities

See Section 6 for accidental release measure

Section 8 – Contact Controls and Personal Protection

Max allowed concentration: No Data

Way of measurement: No Data

Engineering Control: Use adequate ventilation to keep risk of inhalation low. Take safety shower after handling equipment. An adequate supply of clean potable water should be available to allow thorough flushing of the skin and eyes in even of contact with this material.

Personal Protection

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles.

Respirators: Ensure adequate ventilation, especially in confined areas.

Body: Wear appropriate chemical resistant overalls and rubber boots and rubber gloves. Avoid any skin exposure. Wash separately from other laundry.

Hands: Wear protective glove.

General protective and hygienic measures: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before reuse.

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties

General Information:

Appearance and Physical State: liquid, Garlic odor

Color: Brownish green

pH Value: 6.9 @ 25 °C

Viscosity: 19.31 cps at 20 °C

Vapor Pressure (25 C): 0.1862 kPa

Melting point: Not available

Boiling Point: Not available

Freezing Point: 4 °C

Specific Gravity: 0.897 g/cm³ @ 20 °C

Density (g/cm³): 1.08

Critical pressure (Mpa): Not available

Critical temperature: Not available

Flash point (C): >216.5 °F (102.5 °C)

Flammable Limits: Not available

Autoignition Temperature: Not Established

Burning temperature (C): Not available

Explosion: Not available

Partition Coefficient: Not available

Solubility: Forms emulsion

Section 10 – Stability and Reactivity

Chemical Stability: This material is stable at the normal storage conditions.

Incompatible to Avoid: Incompatible with acid, alkaline, and oxidizing substances.

Conditions to Avoid: Elevated temperature.

Decomposition Products: Unknown

Hazardous Polymerization: Unknown

Reference to other sections:

See Section 5 for static discharge potential

Section 11 – Toxicological Information

Acute Toxicity:

LD/LC50 values that are relevant for classification:

Oral: LD₅₀ > 5,000 mg/kg

Inhalation: LC₅₀: > 2.90 mg/L (rats)

Dermal: > 5,000 mg/kg

Eyes: Non-Irritant (rabbits)

Dermal Irritation: Non-Irritant (rabbits)

Skin Sensitization: Not a sensitizer (Guinea Pig)

Primary irritant effect:

If inhaled: Harmful if inhaled

Respiratory sensitization: Based on available data, the classification criteria are not met

Skin Sensitization: Product is not considered a contact sensitizer.

Germ Cell Mutagenicity: Based on available data, the classification criteria are not met

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

Reproductive Toxicity: Based on available data, the classification criteria are not met

STOT-Single Exposure: Based on available data, the classification criteria are not met

STOT-Repeated Exposure: Based on available data, the classification criteria are not met

Chronic toxicity: unknown

Aspiration Hazard: Based on available data, the classification criteria are not met

Section 12 – Ecological Data

Eco-toxicity:

Acute Fish Toxicity (Rainbow Trout): Slightly Toxic

Acute Daphnia Immobilization: Slightly Toxic

Effect on Birds: Non-Toxic Very toxic to aquatic life with long lasting effects.

Section 13 – Disposal Considerations

Waste Disposal: Pesticide waste may be acutely hazardous. Dispose of waste in accordance with all applicable Federal, State, and local laws. Improper disposal of excess pesticide, spray mixture, or rinsate is violation of Federal Law. If this waste cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Do not contaminate water, food, or feed by disposal.

Container Disposal: Do not distribute, make available, furnish or reuse empty containers. Triple rinse (or equivalent), then offer for recycling or reconditioning if container reuse is permitted. If container reuse is prohibited, puncture metal containers and dispose of in a sanitary landfill, or by other approved State and local authorities, if burned, stay out of smoke.

Section 14 – Transport Information

DOT Classification: Not regulated

IMDG/IMO: Not regulated

IATA: Not regulated

TDG: Not regulated

Special Instructions: No special instruction on handling required

Flammability: Non-flammable

Transport by Air: Safe for Air Transport

Section 15 – Regulatory Data

SARA Title III Classifications

Section 302/304: Not applicable

Section 311/312: Not applicable

Section 313 Chemical(s): Not applicable

Proposition 65: Does not contain any Proposition 65 chemicals.

CERCLA Reportable Quantity (RQ): Not applicable

RCRA Classification

Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA Status: Not Applicable

Hazard Data	FIFRA Classification/Typical Hazard Labeling, as outlined in EPA Label Review Manual	OSHA HCS Requirement for Section 2 of SDS
Signal Word	Caution	WARNING
Acute Toxicity, oral LD ₅₀ >5,000mg/kg	(Category IV) No Statement required	Not classified
Acute Toxicity, dermal LD ₅₀ >5,000 mg/kg	(Category IV) Harmful if absorbed through skin	Not classified
Acute Toxicity, inhalation LD ₅₀ 2.90 mg/L	(Category IV) Harmful if inhaled	(Category 4) Exclamation Mark Harmful if inhaled
Skin Irritation	(Category IV) No Statement required	Not classified
Eye Irritation	(Category IV) No Statement required	Not classified
Sensitization	Not sensitizer	Not classified
Germ Cell Mutagenicity	Not labeled	Not classified
Carcinogenicity	Not labeled	Not classified
Reproductive/developmental Toxicity	Not labeled	Not classified
Specific target organ toxicity, single exposure	Not labeled	Not classified
Specific target organ toxicity, repeated exposure	Not labeled	Not classified
Aspiration	Not labeled	Not classified
Environmental (aquatic) toxicity	This pesticide is toxic to fish & aquatic invertebrates	Not within OSHA's jurisdiction and therefore not required on SDS

FIFRA Classification: 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 hazard information required on the pesticide label is reproduced below. The pesticide label also included other important information, including direction for use. Following is the hazard information as required on the pesticide label:

Caution

Harmful if inhaled or absorbed through skin.

Avoid contact with skin, eyes, or clothing.

Washing thoroughly with soap and water after handling.

Avoid breathing spray mist.

Remove contaminated clothing and wash clothing before use.
This pesticide is toxic to fish and aquatic invertebrates.

GHS labeling elements:

The substance is classified and labeled according to the Globally Harmonized System (GHS):

Hazard pictograms:

Signal Word: Warning

Hazard-determined components of labeling: Neem oil

Hazard statements:

H332: Harmful if inhaled

Section 16 – Additional information

NFPA: Health hazards: 0 Flammability: 0 Instability: 0 Physical and Chemical Properties: -

Reference: The information contained herein is provided in good faith and is believed to be correct as of the date. However, ECOSTADT TECHNOLOGIES L.L.C. makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a specific purpose. Accordingly, ECOSTADT TECHNOLOGIES L.L.C. will not be responsible for damage of any kind resulting from the use of or reliance upon such information.

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