

**CONSERVE NATURALYTE INSECTICIDE WITH SPINOSAD
MATERIAL SAFETY DATA SHEET**

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CONSERVE NATURALYTE INSECTICIDE WITH SPINOSAD E.P.A. Reg. No. 62719-314-829

Chemical Description: Spinosad

TSCA/CAS No: This product is a mixture – there is no specific CAS No.

SECTION 2. INGREDIENTS

<u>CHEMICAL</u>	<u>CAS NO.</u>	<u>%</u>	<u>TLV OR PEL</u>	<u>RQ (lbs)</u>
Spinosad Spinosyn A	131929-60-7	0.5	*N.A.	*N.P.
Spinosyn D	131929-63-0			
Inert Ingredients, Total Including:		99.5		
Propylene Glycol	57-55-6	Proprietary	N.A.	N.P.

* N.A. - Not Available.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Off-white to tan liquid suspension with low odor. May cause eye irritation.

Product is toxic to mollusks and bees. Not D.O.T. regulated.

HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 0

(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

SECTION 4. FIRST AID

Eyes: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

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.

Ingestion: 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 the poison control center or doctor. Never give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

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SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	Not determined (aqueous suspension).
Test Method:	Not applicable.
LEL Flammable Limits:	Not determined.
UEL Flammable Limits:	Not determined.
Autoignition Temperature:	Not determined.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds.
Extinguishing Media:	Water fog, carbon dioxide, dry chemical or foam.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in original container only in a cool, well-ventilated, dry place at temperatures above 40 degrees F. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Avoid contact with eyes, on skin or on clothing. Avoid breathing vapor or spray mists. Wear long-sleeved shirt and pants, waterproof gloves and shoes plus socks. Wash with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Do not contaminate feed and foodstuffs.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Impervious gloves and clothes.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Off-white to light tan liquid.
Odor:	Low odor.
pH:	Not available.
Vapor Pressure:	Similar to water.
Vapor Density (Air=1):	Not available.
Boiling Point:	212°F (100°C).
Freezing Point:	Not available.
Water Solubility:	Dispersible.
Density:	1.09 g/ml.
Evaporation Rate:	Not determined.

Viscosity: Not available.
% Volatile: Not available.
Octanol/Water Partition Coefficient: Not available.
Saturated Vapor Concentration: Not available.

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SECTION 10. STABILITY AND REACTIVITY

Stability: Thermally stable at typical use temperatures. Some components of this product can decompose at elevated temperatures.

Conditions To Avoid: None known.

Incompatibility: None known.

Hazardous Decomposition Products: Hazardous decomposition products depend on temperature, air supply, and the presence of other materials.

Hazardous Polymerization: Not known to occur.

SECTION 11. POTENTIAL HEALTH EFFECTS

Acute Effects:

Eyes: May cause slight eye irritation.

Skin: Prolonged exposure is not likely to cause significant skin irritation. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Did not cause allergic skin reactions when tested with guinea pigs. LD50 (Rabbits) > 5000 mg/kg.

Ingestion: Single dose oral toxicity is extremely low. The oral LD50 for rats and mice is >5000 mg/kg. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

Inhalation: Single exposure to concentrate mist is not likely to cause adverse effects.

Systemic (Other In animals, has been shown to cause vacuolation of cells in various tissues and Target Organ) Effects: changes in blood and serum biochemistry. Dose levels producing these effects were many times higher than any dose levels expected from exposure due to use.

Cancer Information: For Spinosad, laboratory animal studies were negative.

Teratology: Spinosad did not cause birth defects in laboratory animals.

Reproductive Effects: For Spinosad, in laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition: Not known.

Toxicity to Fish and Invertebrates: Highly toxic to marine mollusks on an acute basis. Moderate or slightly toxic to fish.

Toxicity to Plants: Not known.

Toxicity in Birds: Practically non-toxic to birds on an acute basis.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

SECTION 14. TRANSPORTATION

D.O.T.: Not D.O.T. Regulated.

Other Shipping Description: Insecticides and Fungicides, Liquid. NMFC Item 102120, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

PROPOSITION 65 (CA): None.

STATE RIGHT-TO-KNOW: Chemical Name CAS No. LIST 1,2-Propanediol
(Propylene Glycol) 57-55-6 PA1
PA1 = Pennsylvania Hazardous Substance (present at > or = to 1.0%)