



Product: FIRE ANT CONTROL  
 EPA Reg. No.: 62719-304-869  
 Effective Date: 07/15/2003

**MATERIAL SAFETY DATA SHEET**  
 Emergency Phone 800/535-5053

Size	Product Number	UPC Code
1 lb	21028	0 49424 21028 2
1 lb	21029	0 49424 21028 2

**Note:** Be sure to compare the EPA registration number as given on the MSDS with the EPA registration number as given on the label as some products have had the active ingredients changed without a corresponding change in the UPC number or in the item description.

**1. INGREDIENTS**

Spinosad:		0.015%
Spinosyn A	CAS Number: 131929-60-7	
Spinosyn B	CAS Number: 131929-63-0	
Proprietary Ingredients:		99.985%

**2. PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT:	100°C (212°F) water
PHYSICAL STATE:	Granular at 21.8°C
ODOR:	Slightly musty
DENSITY:	0.34 g/mL @ 22.1°C
SOLUBILITY IN WATER:	Not applicable
VAPOR PRESSURE:	Not applicable
APPEARANCE:	Yellow
pH:	7.01 (1.0% suspension in distilled water)

**3. HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW:	Yellow granule with slight musty odor. May cause eye irritation with corneal injury. Prolonged exposure may cause skin irritation.
POTENTIAL HEALTH EFFECTS:	This section includes possible adverse effects, which could occur if this material is not handled in the recommended manner.
EYE:	May cause slight eye irritation with corneal injury.
SKIN:	Prolonged exposure may cause skin irritation. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts. The dermal LD <sub>50</sub> has not been determined.
INGESTION:	Single dose oral toxicity is extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations. Single dose oral LD <sub>50</sub> has not been determined.
INHALATION:	Vapors are unlikely due to physical properties. Single exposure to dust is not likely to be hazardous. Dust may cause irritation to the upper respiratory tract (nose and throat).
SYSTEMIC (OTHER TARGET ORGANS) EFFECTS:	No relevant information found.
CANCER INFORMATION:	No relevant information found.
TERATOLOGY (BIRTH DEFECTS):	Birth defects are unlikely. Exposure having no adverse effects on the mother should have no effect on the fetus.
REPRODUCTIVE EFFECTS:	No relevant information found.

**4. FIRST AID MEASURES**

EYE:	Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes.
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SKIN: Wash off in flowing water or shower.  
INGESTION: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.  
INHALATION: Remove to fresh air if effects occur. Consult a physician.  
NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

**5. FIRE FIGHTING MEASURES:**

FLASH POINT: Not applicable (granular)  
METHOD USED: Not applicable  
FLAMMABLE LIMITS: LFL: Not determined  
UFL: Not determined  
EXTINGUISHING MEDIA: To extinguish combustible residues of this product use water fog, carbon dioxide, dry chemical or foam.  
FIRE AND EXPLOSION HAZARDS: Keep people away. Isolate fire area and deny unnecessary entry. Under fire conditions some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds.  
FIRE-FIGHTING EQUIPMENT: Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective fire-fighting clothing (includes fire-fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

**6. ACCIDENTAL RELEASE MEASURES**

ACTION TO TAKE FOR SPILLS/LEAKS: Sweep up small spills and place in container for disposal. Report large spills to Chemtrec at 800-535-5053.

**7. HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep out of reach of children. Avoid eye contact. Do not take internally. Wash hands thoroughly after handling and before eating, drinking, or smoking. Store product in original container. See product label for additional instructions.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.

EXPOSURE GUIDELINES: Spinosad: Dow AgroSciences Industrial Hygiene Guide is 0.3 mg/M<sub>3</sub>, TWA.  
ENGINEERING CONTROLS: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

**RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:**

EYE/FACE PROTECTION: Use chemical goggles.  
SKIN PROTECTION: Use gloves impervious to this material when prolonged or frequently repeated contact could occur.

RESPIRATORY PROTECTION: In dusty atmospheres, use a NIOSH approved dust respirator.

APPLICATORS AND ALL OTHER HANDLERS: Refer to the product label for personal protective clothing and equipment.



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- 9. STABILITY AND REACTIVITY**  
STABILITY (CONDITIONS TO AVOID): Thermally stable at typical use temperatures.  
INCOMPATIBILITY (SPECIFIC MATERIALS TO AVOID): None known  
HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products depend upon temperature, air supply, and the presence of other materials.  
HAZARDOUS POLYMERIZATION: Not known to occur.
- 10. TOXICOLOGICAL INFORMATION**  
MUTAGENICITY: For spinosad, in-vitro and animal mutagenicity studies were negative.
- 11. ECOLOGICAL INFORMATION**  
ENVIRONMENTAL FATE  
MOVEMENT & PARTITIONING: Log octanol/water partition coefficient (Log Pow) is estimated to be low.  
DEGRADATION AND PERSISTENCE: No relevant information found.  
ECOTOXICOLOGY: Based on information for aquatic organisms. Not expected to be acutely toxic.
- 12. DISPOSAL CONSIDERATIONS**  
DISPOSAL METHOD: Improper disposal of excess product is a violation of the federal law. If these wastes 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.
- 13. TRANSPORTATION INFORMATION**  
This product is not regulated by DOT when shipped domestically by land.
- 14. REGULATORY INFORMATION**  
NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.
- U.S. REGULATIONS  
SARA 313 INFORMATION: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.  
SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: **An immediate health hazard.**
- TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.  
STATE RIGHT-TO-KNOW: This product is not known to contain any substances subject to the disclosure requirements of:  
New Jersey  
Pennsylvania



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COMPREHENSIVE ENVIRONMENTAL  
RESPONSE COMPENSATION AND  
LIABILITY ACT (CERCLA, or  
SUPERFUND):

To the best of our knowledge, this product contains no chemical subject to reporting under CERCLA.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate as of the effective date given above, Green Light makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Green Light's control. Therefore, users are responsible for determining whether under their own operating conditions the product is suitable for their particular use. Users assume all risks of use, handling, and disposal of the product. The publication or use of, or reliance upon, information contained herein does not relate to the use of this product in combination with any other material or in any other process.