

Material Safety Data Sheet



A VALENT U.S.A. COMPANY

Green Light Fire Ant Control with Conserve®

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Green Light Fire Ant Control with Conserve®
EPA REGISTRATION NUMBER: 62719-304-869
PRODUCT CODE: 21029
PRODUCT DESCRIPTION: For control of Fire Ants and Harvester Ants
Conserve is a registered trademark of Dow AgroSciences LLC.

MANUFACTURER/DISTRIBUTOR

Green Light, A Valent U.S.A. Company
P.O. Box 17985
San Antonio, TX 78217-0985.

EMERGENCY TELEPHONE NUMBERS

HEALTH EMERGENCY OR SPILL (24 hr):
(800) 892-0099
TRANSPORTATION (24 hr.): CHEMTREC
(800) 424-9300 or (202) 483-7616.

PRODUCT INFORMATION

GREEN LIGHT PRODUCTS: (210) 494-3481.

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW.

- CAUTION**
- Harmful if swallowed
 - May cause eye irritation
 - May cause skin irritation
 - Keep out of reach of children

POTENTIAL HEALTH EFFECTS

Acute Toxicity (Primary Routes of Exposure): None known.

Acute Eye Contact: This product may cause eye irritation.

Acute Skin Contact: Causes skin irritation.

Acute Ingestion: This product is expected to be minimally toxic when ingested.

Acute Inhalation: This formulation is not considered to be an inhalation hazard due to coarse granular nature and low potential for aerosolization.

Signs and Symptoms of Systemic Effects: No Data Available.

Potentially Aggravated Medical Conditions: None known

For complete discussion of the toxicology data from which this evaluation was made, refer to Section 11. For Ecotox/Environmental Information, refer to Section 12. For Regulatory Information, refer to Section 15.

Emergency Telephone: (800) 892-0099.
REVISION NUMBER: 1

MSDS NO.: GNL-0017
REVISION DATE: 11/09/2010

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight/ Percent	Purpose
Spinosyn A.	131929-60-7	< 0.015	Active Ingredient
Spinosyn D.	131929-63-0	< 0.015	Active Ingredient
Proprietary Ingredients.	No CAS#	99.99	Other Ingredients

Other ingredients, which are maintained as trade secrets, are any substances other than an active ingredient contained in this product. Some of these may be hazardous, but their identities are withheld because they are considered trade secrets. The hazards associated with the other ingredients are addressed in this document. Specific information on other ingredients for the management of exposures, spills, or safety assessments can be obtained by a treating physician or nurse by calling **(800) 892-0099** at any time.

4. FIRST AID MEASURES

EMERGENCY NUMBER (800) 892-0099.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact **1-800-892-0099** for emergency medical treatment information.

EYE CONTACT:

Wash with water. Consult a physician if irritation persists.

SKIN CONTACT:

Wash with soap and water. Consult a physician if irritation persists.

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. Do not give anything by mouth to an unconscious person.

INHALATION:

Seek fresh air.

NOTES TO PHYSICIAN:

None.

5. FIRE FIGHTING MEASURES

FLASH POINT:

Not applicable (granular)

EXTINGUISHING MEDIA:

Water fog, carbon dioxide, foam, dry chemical

NFPA RATING:

Health:	1
Flammability:	1
Reactivity:	0
Special:	None

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using professional judgement. Values were not available in the guidelines or published evaluations prepared by the National Fire Protection Association, NFPA.

FIRE FIGHTING INSTRUCTIONS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow of water can be stopped. Use flooding amounts of water as a fog. Cool containers with flooding amounts of water from as far a distance as possible. Avoid breathing vapors.

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HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products depend upon temperature, air supply and the presence of other materials.

6. ACCIDENTAL RELEASE MEASURES

GREEN LIGHT EMERGENCY PHONE NUMBER: (800) 892-0099

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300

OBSERVE PRECAUTIONS IN SECTION 8: PERSONAL PROTECTION

Stop the source of the spill if safe to do so. Contain the spill to prevent further contamination of the soil, surface water, or ground water. For additional spill response information refer to the North American Emergency Response Guidebook.

UN/NA NUMBER: Not applicable. **EMERGENCY RESPONSE GUIDEBOOK NO.:** Not applicable.

FOR SPILLS ON LAND:

CLEANUP: Clean up spill immediately. Shovel or sweep up and place in original container for reuse.

7. HANDLING AND STORAGE

END USER MUST READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

HANDLING:

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Do not use kitchen utensils for measuring. Keep measuring utensils with pest control products and away from children.

STORAGE:

Keep pesticide in original container only. Do not contaminate water, food or feed by storage or disposal. Store in a cool, dry place out of reach of children and domestic animals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

END USER MUST READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

EYES & FACE: Do not get this material in your eyes. Eye contact can be avoided by wearing protective eyewear.

RESPIRATORY PROTECTION: Use this material only in well ventilated areas. Unless ventilation is adequate to keep airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

SKIN & HAND PROTECTION: Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

ENGINEERING CONTROLS: Applicators and all other handlers: Refer to the product label for personal protective clothing and equipment.

EXPOSURE LIMITS

Chemical Name	ACGIH Exposure Limits	OSHA Exposure Limits	Manufacturer's Exposure Limits
Spinosyn A.	None.	None.	0.3 mg/m ³
Spinosyn D.	None.	None.	0.3 mg/m ³
Proprietary Ingredients.	None.	None.	None.

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Granule
COLOR:	Yellow
ODOR:	Slight Musty
FLASH POINT:	Not applicable (granular)
BOILING POINT:	212° F (100° C) water
DENSITY:	0.34 g/mL @ 22.1°C
VAPOR PRESSURE:	Not applicable
pH:	7.01 (1.0% suspension in distilled water)
SOLUBILITY:	Not applicable

10. STABILITY AND REACTIVITY

THERMAL STABILITY:	At typical use temperatures.
INCOMPATIBILITY:	None known
OXIDATION/REDUCTION PROPERTIES:	No data available.
EXPLODABILITY:	Not expected to be explosive.
HAZARDOUS DECOMPOSITION PRODUCTS:	Decomposition products depend upon temperature, air supply and the presence of other materials.
HAZARDOUS POLYMERIZATION :	Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

The following information is for the active ingredient only.

Oral Toxicity LD ₅₀ (rats).	> 3738 mg/kg for males, > 5000 mg/kg for females	EPA Tox Category	III
Dermal Toxicity LD ₅₀ (rabbits).	> 5000 mg/kg	EPA Tox Category	IV
Inhalation Toxicity LC ₅₀ (rats).	> 5.18 mg/L (4 hour)	EPA Tox Category	IV
Eye Irritation (rabbits).	Slightly irritating	EPA Tox Category	IV
Skin Irritation (rabbits).	Slightly irritating	EPA Tox Category	IV
Skin Sensitization (guinea pigs).	Non-sensitizer	EPA Tox Category	Not available.

CARCINOGEN CLASSIFICATION

Chemical Name	IARC - Group 1 (carcinogenic to humans)	IARC - Group 2A (Probably carcinogenic)	IARC - Group 2B (Possibly carcinogenic)	NTP Carcinogen List
Spinosyn A.	No.	No.	No.	Not listed.
Spinosyn D.	No.	No.	No.	Not listed.

DEVELOPMENTAL TOXICITY: Spinosad did not cause birth defects in laboratory animals.

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

MUTAGENICITY: For spinosad, in-vitro and animal genetic toxicity studies were negative.

For a summary of the potential for adverse health effects from exposure to this product, refer to Section 2. For information regarding regulations pertaining to this product, refer to Section 15.

12. ECOLOGICAL INFORMATION

- AVIAN TOXICITY:** Spinosad is practically non-toxic to birds on an acute basis (LD₅₀ >2000 mg/kg).
 Spinosad is practically non-toxic to birds on a dietary basis (LC₅₀ >5000 ppm).
 Acute oral LD₅₀ for bobwhite (*Colinus virginianus*) is >2000 mg/kg.
 Acute oral LD₅₀ for mallard (*Anas platyrhynchos*) is >2000 mg/kg.
 Dietary LC₅₀ for bobwhite (*Colinus virginianus*) is >5253 ppm.
 Dietary LD₅₀ for mallard (*Anas platyrhynchos*) is >5156 ppm.
- AQUATIC ORGANISM TOXICITY:** Spinosad is toxic to aquatic invertebrates and moderately toxic to fish (acute basis).
- OTHER NON-TARGET ORGANISM TOXICITY:** The acute contact LD₅₀ of Spinosad to honeybee is 0.05 micrograms/bee.
- ECOLOGICAL TOXICITY:** Bioconcentration potential is low. Bioconcentration factors for rainbow trout are:
 Spinosyn A = 19 and Spinosyn D = 33.

OTHER ENVIRONMENTAL INFORMATION:

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind and rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk or street back onto the treatment area of the lawn or garden will help to prevent run off to the water bodies or drainage systems.

13. DISPOSAL CONSIDERATIONS

END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container.

If empty: Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

DISPOSAL METHODS: Check government regulations and local authorities for approved disposal of this material. Dispose in accordance with applicable laws and regulations.

14. TRANSPORT INFORMATION

- | | |
|---|---|
| DOT: | This material is not regulated for transport for all package sizes and modes of transportation. |
| UN/NA NUMBER: | Not applicable. |
| TECHNICAL NAME (hazardous material): | Not applicable. |
| HAZARD CLASS: | Not applicable. |
| PACKING GROUP: | Not applicable. |
| DOT REPORTABLE QUANTITY (RQ): | Not applicable. |
| REMARKS: | None. |
| EXEMPTION REQUIREMENT: | None. |
| EMERGENCY RESPONSE GUIDEBOOK NO.: | Not applicable. |
| MARINE POLLUTANT: | Not applicable. |

15. REGULATORY INFORMATION

PESTICIDE REGULATIONS: All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

U.S. FEDERAL REGULATIONS:

Ingredients in this product are reviewed against an inclusive list of federal regulations. Therefore, the user should consult appropriate authorities. The federal regulations reviewed include: Clean Water Act, SARA, CERCLA, RCRA, DOT, TSCA and OSHA. If no components or information is listed in the space below this paragraph, then none of the regulations reviewed are applicable.

SARA (311, 312):

Immediate Health:	Yes.
Chronic Health:	No
Fire:	No
Sudden Pressure:	No.
Reactivity:	No.

STATE REGULATIONS:

Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list of all state regulations. Therefore, the user should consult state or local authorities. The state regulations reviewed include: California Proposition 65, California Directors List of Hazardous Substances, Massachusetts Right to Know, Michigan Critical Materials List, New Jersey Right to Know, Pennsylvania Right to Know, Rhode Island Right to Know and the Minnesota Hazardous Substance list. For Washington State Right to Know, see Section 8 for Exposure Limit information. For Louisiana Right to Know refer to SARA information listed under U.S. Regulations above. If no components or information is listed in the space below this paragraph, then none of the regulations reviewed are applicable.

For information regarding potential adverse health effects from exposure to this product, refer to Sections 2 and 11.

16. OTHER INFORMATION

REASON FOR ISSUE:	New format. Revisions throughout MSDS.
MSDS NO.:	GNL-0017
EPA REGISTRATION NUMBER:	62719-304-869
REVISION NUMBER:	1
REVISION DATE:	11/09/2010
SUPERCEDES DATE:	None.
RESPONSIBLE PERSON(S):	Valent U.S.A. Corporation, Corporate EH&S, (925) 256-2803.

This Material Safety Data Sheet (MSDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This MSDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

Use, storage and disposal of pesticide products is regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling. All necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in

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any manner not prescribed on the EPA-approved label.

The information in this MSDS is based on data available to us as of the revision date given herein, and believed to be correct. Contact Valent U.S.A. Corporaton to confirm if you have the most current MSDS.

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