

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

AgrEvo Environmental Health, Inc.
95 Chestnut Ridge Road
Montvale, NJ 07645

EMERGENCY TELEPHONE NUMBER

IN CASE OF MEDICAL EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, OR IN CASE OF FIRE, LEAKING, OR DAMAGED CONTAINERS, INFORMATION MAY BE OBTAINED BY CALLING: 1-800-471-0660

FOR PRODUCT INFORMATION, CALL TOLL-FREE:
1-800-331-2867

PRODUCT NAME: DeltaGard G Insecticide Granule
PRODUCT CODE: F25030171
CHEMICAL NAME: Mixture; active ingredient, deltamethrin*
EPA REGISTRY NUMBER: 432-836
MSDS IDENTIFICATION CODE/NUMBER: F25030171

***Chemical name of active:**

(s)-alpha-cyano-3-phenoxybenzyl-(1R,3R)-3-(2-(2-dibromovinyl)-2,2-dimethyl-cyclopropanecarboxylate

DeltaGard is a trademark of AgrEvo Environmental Health, Inc.

PRODUCT DESCRIPTION: DeltaGard G Insecticide Granule is a broad spectrum residual pyrethroid insecticide for the control of major insect pests in turfgrasses and landscape ornamentals (including interior plantscapes) and around the perimeters of structures in residential, commercial and recreational areas.

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Deltamethrin
CAS NUMBER: 52918-63-5
CONCENTRATION PERCENT BY WEIGHT: = 0.1
EXPOSURE LIMITS: None established

INGREDIENT: Other ingredients, including:
PERCENT BY WEIGHT: = 99.9

INGREDIENT: Trade secret
PERCENT BY WEIGHT: > 95
EXPOSURE LIMITS:
PEL 15 mg/m³ (total)
5 mg/m³ (respirable) OSHA
TLV 10 mg/m³ (total)
5 mg/m³ (respirable) ACGIH

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

A tan solid granule with a strong shoe-polish, mothball and salty solvent like odor.
- Harmful if swallowed.
- Causes moderate eye irritation.
- This product is extremely toxic to fish.

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY
Ingestion, eye and skin contact.

EYES

Causes moderate eye irritation.

INGESTION

Harmful if swallowed.

SIGNS AND SYMPTOMS

If swallowed, gastric upset and diarrhea can occur.

4. FIRST AID MEASURES**EYES**

Flush eyes with plenty of water. Call a physician if irritation persists.

INGESTION

Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

5. FIRE FIGHTING MEASURES**EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam, or Water.

FIRE FIGHTING INSTRUCTIONS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Sweep up and remove to chemical waste area.

7. HANDLING AND STORAGE**HANDLING PRECAUTIONS**

- Avoid contact with eyes or clothing.
- Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.
- Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

STORAGE PRECAUTIONS

- Do not contaminate water, food or feed by storage.
- Store in original container in a secured, dry storage area.
- Prevent cross-contamination with other pesticides and fertilizers.

WORK/HYGIENIC PRACTICES

Wash thoroughly with soap and water after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**EYE/FACE PROTECTION**

Safety glasses or goggles.

SKIN PROTECTION

Impervious gloves.

RESPIRATORY PROTECTION

A NIOSH-approved respirator is recommended for poorly ventilated application areas.

REPRODUCTIVE EFFECTS

Deltamethrin is not considered to be a reproductive toxin based on animal studies.

9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE**

Tan solid.

ODOR

Strong shoe-polish, mothball and salty solvent like odor.

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Solid

BOILING POINT: N/A F

MELTING POINT: N/A F

VAPOR PRESSURE: N/A

VAPOR DENSITY (AIR=1): N/A

SPECIFIC GRAVITY: N/A

SOLUBILITY (H₂O): Soluble

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

pH: N/A

VISCOSITY: N/A

DENSITY: 52.3 lb/ft³ or 0.84 g/cm³ (fluffed)

61.2 lb/ft³ or 0.98 g/cm³ (compacted)

10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBLE MATERIALS

Strong oxidizers, bases, chlorates, and nitrates.

HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia and sulfur trioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION**EYE EFFECTS**

Moderately irritating (rabbit)

SKIN EFFECTS

Irritation (rabbit): Non-irritating

Absorption (rabbit): LD₅₀ > 5,050 mg/kg

Sensitization (guinea pig): Negative

ACUTE ORAL EFFECTS

LD₅₀ (rat) = 2613 mg/kg

THE FOLLOWING DATA WERE DEVELOPED WITH:
deltamethrin technical, the active ingredient

CHRONIC (CANCER INFORMATION)

Deltamethrin technical is not carcinogenic based on animal studies.

CARCINOGENICITY: NTP: No IARC: No OSHA: No

TERATOGENICITY (BIRTH DEFECTS)

Deltamethrin is not considered to be teratogenic based on animal studies.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: This product is extremely toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Use with care when applying in areas adjacent to any body of water. Do not contaminate water when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by disposal.

Pesticide Disposal: Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Completely empty bag (by shaking and tapping sides and bottom) into application equipment. Dispose of bag in a sanitary landfill or by incineration if allowed by state and local authorities.

RCRA INFORMATION

RCRA HAZARDOUS WASTE INGREDIENT: None

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not DOT regulated

15. REGULATORY INFORMATION**U.S. FEDERAL REGULATORY INFORMATION**

EPA REGISTRATION NUMBER: 432-836

TSCA INVENTORY: Registered pesticide; exempt from TSCA

Section 302 (EHS) ingredients: None

Section 304 (CERCLA & EHS) ingredients (RQ): None

Section 313 ingredients: None

SARA TITLE III NOTIFICATIONS AND INFORMATION**SARA TITLE III - HAZARD CLASSES:**

Acute Health Hazard - "Yes"

Chronic Health Hazard - "No"

Fire Hazard - "No"

Sudden Release of Pressure Hazard - "No"

Reactivity Hazard - "No"

16. OTHER INFORMATION**HMIS HAZARD RATING**

- **HEALTH:** 1 Slight
- **FIRE:** 1 Slight
- **REACTIVITY:** 0 Negligible
- **PROTECTION:** B*

NFPA HAZARD RATING

- **HEALTH:** 1 Slight
- **FIRE:** 1 Slight
- **REACTIVITY:** 0 Negligible
- **SPECIAL:** -

MSDS IDENTIFICATION CODE/NUMBER: F25030171

PREPARED BY: Regulatory Department
PHONE: (800)438-5837

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.

*Would recommend Protection Rating "E" for poorly ventilated areas.