



## Material Safety Data Sheet

MSDS Number: 000000001781

### DELTAGARD™ G INSECTICIDE GRANULE (New Alternative)

MSDS Version 1.

#### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name	DELTAGARD™ G INSECTICIDE GRANULE (New Alternative)
Chemical Name	Mixture; active ingredient, deltamethrin: (s)-alpha-cyano-3-phenoxybenzyl-(1R,3R)-3-(2-2-dibromovinyl) -2,2-dimethyl-cyclopropanecar
Synonym	
MSDS Number	1781
Chemical Family	
Chemical Formulation	
EPA Registration No.	432-836
Canadian Registrat. No.	

Aventis  
95 Chestnut Ridge Road  
Montvale, NJ 07645  
USA

For Product Use Information: (800)331-2867 Monday through Friday  
8:00AM-4:30PM

For Medical Emergency contact DART: (800) 334-7577 24 Hours/Day

For Transportation Emergency CHEMTREC: (800) 424-9300 24 Hours/Day

**Product Use 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.

#### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>CAS No.</u>	<u>Concentration % by Weight</u>	
		<u>Minimum</u>	<u>Maximum</u>
Deltamethrin	52918-63-5	0.1000	
Other ingredients, including:	0-08-8	99.9000	
Trade secret		> 95.0000	

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### SECTION 3. HAZARDS IDENTIFICATION

*NOTE: Please refer to Section 11 for detailed toxicological information.*

<u>Emergency Overview</u>	Harmful if swallowed. Causes moderate eye irritation. This product is extremely toxic to fish.
<b>Physical State</b>	solid
<b>Odor</b>	Slightly musty odor
<b>Appearance</b>	tan to brown
<b>Routes of Exposure</b>	Ingestion, eye and skin contact.
<b>Immediate Effects</b>	
<b>Eye</b>	Causes moderate eye irritation.
<b>Ingestion</b>	Harmful if swallowed.
<b>Signs and Symptoms</b>	If swallowed, gastric upset and diarrhea can occur.

### SECTION 4. FIRST AID MEASURES

<b>Eye</b>	Flush with plenty of water. Call a physician if irritation persists.
<b>Ingestion</b>	Call a physician or Posion Control Center. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger, or by giving 1 ounce of syrup of ipecac, if available. If person is unconscious, do not give anything by mouth and do not induce vomiting.

### SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	carbon dioxide (CO2), dry chemical, foam, water
<b>Fire Fighting Instructions</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent) and full protective gear.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>General and Disposal</b>	Sweep up and remove to chemical waste area.
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### SECTION 7. HANDLING AND STORAGE

<b>Handling Procedures</b>	Avoid contact with eyes or clothing. Food utensils such as teaspoons or
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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.

<b>Storing Procedures</b>	Do not contaminate water, food, or feed by storage or disposal. Store in original container in a secured, dry storage area. Prevent cross-contamination with other pesticides and fertilizers.
<b>Work/Hygienic Procedures</b>	Wash thoroughly with soap and water after handling.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eye/Face Protection</b>	safety glasses goggles
<b>Body Protection</b>	impervious gloves
<b>Respiratory Protection</b>	A NIOSH approved respirator is recommended for poorly ventilated application areas.
<b>Exposure</b>	None Established

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	tan to brown
<b>Physical State</b>	solid
<b>Odor</b>	Slightly musty odor
<b>pH</b>	Not applicable
<b>Vapor Pressure</b>	Not applicable
<b>Vapor Density (air = 1)</b>	Not applicable
<b>Specific Gravity</b>	N/A
<b>Density</b>	43 to 49 lbs/ft <sup>3</sup>
<b>Boiling Point</b>	Not applicable
<b>Melting/Freezing Point</b>	Not applicable
<b>Solubility (in water)</b>	soluble

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MSDS Version 1.

**Viscosity** Not applicable

**Other Information** PERCENT VOLATILES: Not applicable  
EVAPORATION RATE: Not applicable

## SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable

**Incompatibility** Strong oxidizers, bases, chlorates, and nitrates.

**Hazardous Products of Decomposition** carbon monoxide

**Hazardous Polymerization (Conditions to avoid)** Will not occur

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity** Rat: LD50: 2,613 mg/kg

**Acute Dermal Toxicity** Rabbit: LD50: > 5,000 mg/kg

**Skin Irritation** Rabbit: Non-irritating.

**Eye Irritation** Rabbit: Moderately irritating

**Sensitization** Guinea pig: Negative

THE FOLLOWING DATA WERE DEVELOPED WITH: Deltamethrin Technical, the active ingredient

**Chronic Toxicity** Deltamethrin technical is not carcinogenic based on animal studies.

### Assessment Carcinogenicity

#### ACGIH

None

#### NTP

None

#### IARC

Deltamethrin

52918-63-5

#### OSHA

None

**Reproductive & Developmental Toxicity** Deltamethrin is not considered to be a reproductive toxin based on animal studies.

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MSDS Version 1.

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

### SECTION 12. ECOLOGICAL INFORMATION

**Environmental Precautions**

This product is extremely toxic to fish and aquatic invertebrates. 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.

### SECTION 13. DISPOSAL CONSIDERATIONS

**General Disposal Guidance**

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.

### SECTION 14. TRANSPORT INFORMATION

**PROPER SHIPPING NAME:** Not DOT regulated

### SECTION 15. REGULATORY INFORMATION

**US Federal**

**EPA Registration No.**

432-836

**TSCA list**

None

**TSCA 12b export notification**

None

**SARA Title III - section 302 - notification and information**

None

**SARA Title III - section 313 - toxic chemical release reporting**

None

**US States Regulatory**

**CA Prop65**

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

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### US State right-to-know ingredients

None

### Canadian Regulations

Canadian Registrat. No.

Canadian Domestic Substance List

None

### Environmental

CERCLA

None

Clean Water Section 307 Priority Pollutants

None

Safe Drinking Water Act Maximum Contaminant Levels

None

### International Regulations

EU Classification

Deltamethrin

52918-63-5

Toxic Dangerous for the environment

Also toxic by inhalation and if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep locked-up and out of the reach of children. Avoid contact with the skin. After contact with skin, wash immediately with plenty of .? Wear suitable protective clothing, gloves and eye/face protection. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). This material and/or its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/Safety data sheets.

European Inventory of Existing Commercial Substances (EINECS)

Deltamethrin

52918-63-5

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### SECTION 16. OTHER INFORMATION

	Health	Flammability	Reactivity	Others
HMIS	1	1	0	
NFPA	1	1	0	

\* Would Recommend Protection Rating "E" for poorly ventilated areas.

#### REVISED SECTIONS:

MSDS REVISION INDICATOR: New MSDS new formulation of DeltaGard G Insecticide Granule, 432-836

Print Date: 02/21/2002

Supersedes MSDS, which is older than: 02/21/2002

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