



# Material Safety Data Sheet

## DELTAGARD™ G INSECTICIDE GRANULE

MSDS Number: 53  
MSDS Version 1.1

### SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product Name** DELTAGARD™ G INSECTICIDE GRANULE  
**Chemical Name** Mixture; active ingredient, deltamethrin: (s)-alpha-cyano-3-phenoxybenzyl-(1R,3R)-3-(2-2-dibromovinyl) -2,2-dimethyl-cyclopropanecar  
**Synonym**  
**MSDS Number** 53  
**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

### SECTION 3. HAZARDS IDENTIFICATION

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

**Emergency Overview** Harmful if swallowed.  
Causes moderate eye irritation.  
This product is extremely toxic to fish.

**Physical State** solid

**Odor** Strong shoe-polish, mothball and salty solvent like odor

**Appearance** tan

# Material Safety Data Sheet

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<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 eyes with plenty of water. Call a physician if irritation persists.
<b>Ingestion</b>	Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. If person is unconscious, do not give anything to mouth and do not induce vomiting.

### SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Carbon dioxide, dry chemical, foam or 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 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.
<b>Storing Procedures</b>	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.
<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 or goggles.
<b>Body Protection</b>	Impervious gloves.
<b>Respiratory Protection</b>	A NIOSH-approved respirator is recommended for poorly ventilated application areas.

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Exposure Limits                      None Established

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	tan
Physical State	solid
Odor	Strong shoe-polish, mothball and salty solvent like odor
pH	Not applicable
Vapor Pressure	Not applicable
Vapor Density (air = 1)	Not applicable
Specific Gravity	N/A
Density	52.3 lb/ft <sup>3</sup> or 0.84 g/cm <sup>3</sup> (fluffed) 61.2 lb/ft <sup>3</sup> or 0.98 g/cm <sup>3</sup> (compacted)
Boiling Point	Not applicable
Melting/Freezing Point	Not applicable
Solubility (in water)	soluble
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	Ammonia and sulfur trioxide.
Hazardous Polymerization (Conditions to avoid)	Will not occur

### SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat) = 2613 mg/kg
Acute Dermal Toxicity	(Rabbit): LD50 > 5,000 mg/kg
Skin Irritation	(Rabbit): Non-irritating
Eye Irritation	(Rabbit) Moderately irritating

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**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.

**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.

RCRA CLASSIFICATION:  
RCRA HAZARDOUS WASTE INGREDIENT: None

## SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Not DOT regulated

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### 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 contains a chemical known to the state of California to cause cancer.

None

This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

None

**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**

None

**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	B*
NFPA	1	1	0	-

#### REVISED SECTIONS:

MSDS REVISION INDICATOR: New Format

PREPARED BY: Regulatory Department

PHONE: 800-438-5837

SUPERCEDES MSDS DATED: 05/17/2000

Print Date: 10/05/2001

Supersedes MSDS, which is older than: 10/05/2001

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