



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	

Material Safety Data Sheet

DELTAGARD™ G INSECTICIDE GRANULE (New Alternative)

MSDS Number: 000000001781

MSDS Version 1.

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	Slightly musty odor
Appearance	tan to brown
Routes of Exposure	Ingestion, eye and skin contact.
Immediate Effects	
Eye	Causes moderate eye irritation.
Ingestion	Harmful if swallowed.
Signs and Symptoms	If swallowed, gastric upset and diarrhea can occur.

SECTION 4. FIRST AID MEASURES

Eye	Flush with plenty of water. Call a physician if irritation persists.
Ingestion	Call a physician or Poison 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

Suitable Extinguishing Media	carbon dioxide (CO2), dry chemical, foam, water
Fire Fighting Instructions	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

General and Disposal	Sweep up and remove to chemical waste area.
-----------------------------	---

SECTION 7. HANDLING AND STORAGE

Handling Procedures	Avoid contact with eyes or clothing. Food utensils such as teaspoons or
----------------------------	---

Material Safety Data Sheet

MSDS Number: 000000001781

MSDS Version 1.

DELTAGARD™ G INSECTICIDE GRANULE (New Alternative)

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.

Storing Procedures

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.

Work/Hygienic Procedures

Wash thoroughly with soap and water after handling.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection

safety glasses goggles

Body Protection

impervious gloves

Respiratory Protection

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

Exposure

None Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

tan to brown

Physical State

solid

Odor

Slightly musty odor

pH

Not applicable

Vapor Pressure

Not applicable

Vapor Density (air = 1)

Not applicable

Specific Gravity

N/A

Density

43 to 49 lbs/ft3

Boiling Point

Not applicable

Melting/Freezing Point

Not applicable

Solubility (in water)

soluble

Material Safety Data Sheet

MSDS Number: 000000001781
MSDS Version 1.

DELTAGARD™ G INSECTICIDE GRANULE (New Alternative)

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

OSHA
None

52918-63-5

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

Material Safety Data Sheet

DELTAGARD™ G INSECTICIDE GRANULE (New Alternative)

MSDS Number: 000000001781

MSDS Version 1.

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.

Material Safety Data Sheet

DELTAGARD™ G INSECTICIDE GRANULE (New Alternative)

MSDS Number: 000000001781
MSDS Version 1.

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

Material Safety Data Sheet

DELTAGARD™ G INSECTICIDE GRANULE (New Alternative)

MSDS Number: 000000001781

MSDS Version 1.

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

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. The product names are registered trademarks of Aventis.

