



Howard Johnson's Enterprises

MATERIAL SAFETY DATA SHEET

Howard Johnson's Bifenthrin Granules

Page 1 of 4

Section 1: Product Identification

Product Name: Howard Johnson's Fire Ant Control Granules
 Howard Johnson's Lawn Insect Control Granules

EPA Reg. Number: 53883-121, 53883-127

Chemical Name: Pyrethroid Pesticide: Bifenthrin

Shipping Information: Not regulated by U.S. DOT for all modes of transportation within the U.S.

Section 2: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Registry Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>SARA 313 Reportable</u>
Bifenthrin	82657-04-3	Not listed	Not listed	Yes

Section 3: Physical and Chemical Properties

Physical Form: Granular Solid Bulk Density:

pH: 4.5 (slurried in water) Refractive Index: Not Applicable

Boiling Point: Not Applicable Freezing Point: Not Applicable

Solubility in Water: Viscosity:

Vapor Pressure: Not Established Vapor Density: Not Established

Percent Volatile: Not Established Evaporation Rate: Not Established

Appearance and Odor: Tan or gray solid granules with a characteristic insecticide odor

Section 4: Fire and Explosion Hazard Data

Flash Point (°F): Not Flammable Flash Point Method: Not Applicable

Auto Ignition Temp. (°F): Not Applicable Burning Rate: Not Applicable

Explosive Upper Limit (UEL): Not Applicable Lower Limit (LEL): Not Applicable

Limits:

Extinguishing Media: Foam, CO2 or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

Special Firefighting Procedures: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases, or vapors generated.

Unusual Fire or Explosion Hazards: Slightly combustible. This material may support combustion at elevated temperatures.

CORPORATE OFFICE
 700 W. VIRGINIA STREET 414-276-1505
 SUITE 222 800-298-4656
 MILWAUKEE, WI 53204 414-276-4184 FAX



Howard Johnson's Enterprises

MATERIAL SAFETY DATA SHEET

Howard Johnson's Bifenthrin Granules

Page 2 of 4

Section 5: Health Hazard Data

Primary Routes of Entry: Ingestion or eye contact

Signs and Symptoms of Over-Exposure:

Eye Contact:	Acute: Slight, reversible irritation to the eye	Chronic: None reported
Skin Contact:	Acute: May cause slight rashes, numbing, burning or tingling.	Chronic: None reported
Inhalation:	Acute: May cause coughing, sneezing, mechanical irritation to eyes, nose, skin, throat, and respiratory tract.	Chronic: None reported
Ingestion:	Acute: May cause diarrhea	Chronic: None reported

Emergency First Aid Procedures:

Eye Contact: Hold eyelids open and flush with lots of water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue eye. Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: Remove person to fresh air.

Ingestion: Call a poison control center or doctor immediately for treatment advise. Have a 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.

Medical conditions aggravated by exposure: Pre-existing eye, skin, respiratory tract disorders.

Target Organs: None reported

Carcinogens: None listed

Section 6: Reactivity Data

Stability:	May be affected by acids and caustics
Chemical incompatibilities:	Avoid strong oxidization agents, acids, and caustics
Conditions to avoid:	High temperatures and fires
Hazardous Decomposition Products:	Combustion by-product may produce CO ₂ /H ₂ O typical wood smoke
Hazardous Polymerization:	Product will not undergo polymerization



Howard Johnson's Enterprises

MATERIAL SAFETY DATA SHEET

Howard Johnson's Bifenthrin Granules

Page 3 of 4

Section 7: Accidental Release Procedures

Large Spill or Leak Procedures:	Isolate and contain spill. Remove unauthorized persons from spill area. Do not walk through spilled materials. Wear suitable protective gear. Carefully sweep or scoop spilled material and place in a closed, labeled container for use or disposal. Scrub contaminated surfaces with detergent and water, and collect wash water solution for proper disposal according to label directions. Do not allow spilled material to enter streams, sewers or other waters.
Small Spill or Leak Procedures:	Wear protective clothing as recommended on label. Sweep up spilled material for use according to label directions.
Waste Disposal Methods:	Consult state or local environmental agency for disposal of waste generated by a spill. Wastes from the use of this product according to label directions may be disposed as specified on product label.

Section 8: Exposure Controls and Personal Protection

Engineering Controls – Ventilation:	This product is designed for outdoor use only, and ventilation is not normally required. Local exhaust may be necessary when handling this product in an enclosed area.
Administrative Controls:	Follow all precautions and directions for use on product label
Protective Clothing and Equipment:	Wash thoroughly after handling and before eating, drinking, smoking or using the toilet.
Respiratory Protection:	For normal handling and use, a respirator is not required. For excessively dusty conditions, use a dust mask approved by MSHA/NIOSH. See OSHA regulations in 29 CFR § 1910.134 before using any respirator or dust mask.
Eye Protection:	Good safety practices suggest the use of goggles to prevent contact with eyes.
Hand Protection:	Good safety practices suggest the use of chemical-resistant (natural rubber) gloves, to prevent skin contact.
Skin Protection:	Wear long-sleeved shirt and long trousers to reduce skin contact.
Contaminated Equipment:	Launder contaminated clothing separately from street clothes. Clean contaminated boots/shoes and other equipment with detergent and water immediately after use.
Safety Stations:	Clean water should be available to flush eyes and/or skin in case of accidental contact.

CORPORATE OFFICE
700 W. VIRGINIA STREET 414-276-1505
SUITE 222 800-298-4656
MILWAUKEE, WI 53204 414-276-4184 FAX



Howard Johnson's Enterprises

MATERIAL SAFETY DATA SHEET

Howard Johnson's Bifenthrin Granules

Page 4 of 4

Section 9: Handling and Storage Precautions

Handling Precautions:	Wear appropriate protective gear when handling open containers. Do not take internally. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.
Storage Requirements:	Store in a locked, dry area, away from feed or food, and out of reach of children, pets and domestic animals. Keep containers tightly closed when not in use. Store in original container only. Do not remove or destroy product label. Dispose of empty containers as specified on product label.

Revision Date: 5-22-04

By: Regulatory Affairs

This information is believed to be accurate at the time of publication. No warranty, guarantee or representation, expressed or implied, is made with regard to this information. Because this information may not be adequate for every application, the user must determine the suitability of the information, and may need additional information due to the manner/conditions of use, storage, state or local regulations.

CORPORATE OFFICE
700 W. VIRGINIA STREET 414-276-1505
SUITE 222 800-298-4656
MILWAUKEE, WI 53204 414-276-4184 FAX