



Howard Johnson's Enterprises

# MATERIAL SAFETY DATA SHEET

Howard Johnson's Permethrin 0.25G

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## Section 1: Product Identification

Product Name: Howard Johnson's Permethrin .25G  
 Howard Johnson's Fire Ant Killer  
 Howard Johnson's Crawling Insect Control

EPA Reg. Number: 53883-39-32802

Chemical Name: Synthetic pyrethroid; Granular Permethrin Insecticide.

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>
Permethrin: (3-phenoxyphenyl)methyl-cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate)	52645-53-1	None	None	Yes

## Section 3: Physical and Chemical Properties

Physical Form: Granular Solid      Bulk Density: 30 – 40 lbs/ft<sup>3</sup>

pH: 5.2      Refractive Index: Not applicable

Boiling Point: Not applicable      Freezing Point: Not applicable

Solubility in Water: 0.2 mg/L at 20 C      Viscosity: Free-flowing granules

Vapor Pressure: Not established      Vapor Density: Not established

Percent Volatile: Not established      Evaporation Rate: Not established

Appearance and Odor: Tan to brown 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: Water, carbon dioxide, dry chemical or foam.

Special Firefighting Procedures: Fire fighters should wear full protective gear and self-contained breathing apparatus. Contain runoff to prevent pollution. Fumes and smoke from fire may be hazardous.



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Unusual Fire or  
Explosion Hazards: None.

## Section 5: Health Hazard Data

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Primary Routes of Entry: Inhalation, ingestion, skin or eye contact.

### Signs and Symptoms of Over-Exposure:

Eye Contact:	Acute: Mildly irritating to the eyes.	Chronic: None reported.
Skin Contact:	Acute: May cause skin irritation, numbing, burning, and tingling.	Chronic: None reported.
Inhalation:	Acute: Slightly irritating to the respiratory tract.	Chronic: None reported.
Ingestion:	Acute: May be harmful if swallowed.	Chronic: None reported.

### Emergency First Aid Procedures:

Eye Contact:	Hold eyelids open and flush with lots of water for 15 minutes. If irritation persists after flushing, get medical attention.
Skin Contact:	Remove contaminated clothing and wash skin with soap and water. If irritation develops after washing, get medical attention.
Inhalation:	Remove person to fresh air. If breathing stops, give artificial respiration and get medical attention.
Ingestion:	Call a physician or poison control center. Give person 1-2 glasses of water to drink. Never induce vomiting or give anything by mouth to an unconscious or convulsing person.

Medical conditions aggravated by exposure: None known.

Target Organs: None known.

Carcinogens: Not listed.

## Section 6: Reactivity Data

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Stability:	Stable, however may decompose if heated.
Chemical incompatibilities:	Strong oxidizers
Conditions to avoid:	None – product is stable
Hazardous Decomposition Products:	Thermal decomposition (burning) may produce CO, CO <sub>2</sub> , NO <sub>x</sub> , sulfur and phosphorus compounds, halogen, halogen acids and possible trace amounts of carbonyl halide.
Hazardous Polymerization:	Will not occur

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### Section 7: Accidental Release Procedures

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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.  This product is extremely toxic to fish, other water organisms, and bees. Keep out of waterways.
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

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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:	Laundry 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.

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### **Section 9:** Handling and Storage Precautions

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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.

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By: Kresti A. Lyddon, Director of Regulatory Affairs

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