



Safety Data Sheet

Section 1: Identification

Product identifier

Product Name

- **Howard Johnson's Bifenthrin PL Granular**

Synonyms

- EPA Reg. No.: 53883-124-32802; FertNa

Product Code

- FertNa

Product Description

- Variable colored granules.

Relevant identified uses of the substance or mixture and uses advised against

Recommended use

- Lawn insecticide.

Restrictions on use

- Keep out of reach of children and domestic animals. Avoid contact with eyes, skin and clothing.

Details of the supplier of the safety data sheet

Manufacturer

- Howard Johnson's Enterprises, Inc.
9675 S. 60th Street
Franklin, WI 53132
United States
www.hjefertilizer.com

Telephone (General) • (414) 394-3590 - 8:30am - 5:00pm CST

Emergency telephone number

Manufacturer

- 1-800-424-9300 - CHEMTREC - Transportation and Non-Transportation related emergencies

Manufacturer

- 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

- Not classified; does not meet hazard criteria.

Label elements

OSHA HCS 2012**Hazard statements** • No label element(s) required**Other hazards****OSHA HCS 2012**

- This pesticide is extremely toxic to fish and aquatic invertebrates. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Section 3 - Composition/Information on Ingredients**Substances**

- Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Mixtures

Composition		
Chemical Name	Identifiers	%
Bifenthrin	CAS:82657-04-3	0.2%
Other ingredients	NDA	Balance

Section 4: First-Aid Measures**Description of first aid measures****Inhalation**

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms occur.

Skin

- IF ON SKIN: Wash skin with soap and water. If irritation develops and persists, get medical attention.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.

Ingestion

- IF SWALLOWED: Call a POISON CONTROL center or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed by medical personnel.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

- This product is a pyrethroid. If large amounts have been ingested, milk cream and

other digestible fats and oils may increase absorption and should be avoided. Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • SMALL FIRES: Dry chemical, CO2, water spray or regular foam.
LARGE FIRE: Water spray, fog or regular foam.

Unsuitable Extinguishing Media • Avoid heavy hose streams.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • None known.

Hazardous Combustion Products • May decompose upon heating to produce toxic gases or fumes.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions • Avoid contact with skin, eyes, and clothing. Wear appropriate personal protective equipment, avoid direct contact.

Emergency Procedures • No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

Environmental precautions

- Avoid runoff to waterways and sewers.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Carefully shovel or sweep up spilled material and place in suitable container for later disposal.
Use appropriate Personal Protective Equipment (PPE).

Section 7 - Handling and Storage

Precautions for safe handling

Handling • Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities

Storage • Store in a cool/low-temperature, well-ventilated, dry place. Avoid humid or wet conditions. Keep out of reach of children. Keep container tightly closed. Keep away from sources of ignition – No Smoking.

- Incompatible Materials or Ignition Sources**
- Heat, sparks, open flame.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure controls

- Engineering Measures/Controls**
- Local exhaust ventilation.

Personal Protective Equipment

Pictograms



Respiratory

- If handling without sufficient ventilation, wear a NIOSH approved respirator with organic cartridge.

Eye/Face

- Wear safety glasses.

Hands

- Wear appropriate gloves.

Skin/Body

- If prolonged exposure is anticipated, it is recommended for handlers to wear appropriate clothing to prevent skin contact. Use full body suit such as Tyvek or Tychem suit is recommended.

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Variable colored granules.
Color	Varies	Odor	Varies
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	No data available	Bulk Density	45 to 80 lb(s)/ft ³
Water Solubility	No data available	Viscosity	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		

Environmental

Octanol/Water Partition coefficient	No data available		
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Section 10: Stability and Reactivity**Reactivity**

- Non-reactive under normal handling and storage conditions.

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Extreme heat, high humidity or moisture.

Incompatible materials

- Strong oxidizers.

Hazardous decomposition products

- Flammable/toxic gases will form at elevated temperatures by thermal decomposition.

Section 11 - Toxicological Information**Information on toxicological effects**

Components		
Bifenthrin (0.2%)	82657-04-3	Acute Toxicity: Ingestion/Oral-Rat LD50 • 50-300 mg/kg; Skin-Rat LD50 • >2000 mg/kg; Irritation: Eye-Rabbit • Essentially non-irritating; Skin-Rabbit • Mild irritation

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met

Potential Health Effects**Inhalation****Acute (Immediate)**

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)	• No data available
Skin	
Acute (Immediate)	• Under normal conditions of use, no health effects are expected.
Chronic (Delayed)	• No data available.
Eye	
Acute (Immediate)	• Under normal conditions of use, no health effects are expected.
Chronic (Delayed)	• No data available
Ingestion	
Acute (Immediate)	• Under normal conditions of use, no health effects are expected.
Chronic (Delayed)	• No data available
Other	
Chronic (Delayed)	• No data available.
Mutagenic Effects	• Not classified.
Carcinogenic Effects	• No component in this product present at 0.1% or greater is listed by IARC, OSHA or NTP.
Reproductive Effects	• Not classified.

Section 12 - Ecological Information

Toxicity

Components		
Bifenthrin (0.2%)	82657-04- 3	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>S. gairdneri</i> 0.1 mg/L [Acute] Aquatic Toxicity-Crustacea: 48 Hour(s) EC50 <i>Daphnia magna</i> 0.65 mg/L [Acute] Aquatic Toxicity-Algae and Other Aquatic Plant(s): 72 Hour(s) EC50 Algae <i>P. subcapitata</i> 11.04 mg/L [Acute]

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available.

Mobility in Soil

- No data available.

Other adverse effects

Potential Environmental Effects	• This product is extremely toxic to aquatic organisms, including fish and invertebrates.
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Section 13 - Disposal Considerations

Waste treatment methods

Product waste	• Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste	• Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	UN3077	Bulk packaging only: Environmentally hazardous substance, solid, n.o.s. (Bifenthrin)	9	III	Marine Pollutant
IMO/IMDG	UN3077	Packaging 5 kg or greater: Environmentally hazardous substance, solid, n.o.s. (Bifenthrin)	9	III	Marine Pollutant
IATA/ICAO	UN3077	Packaging 5 kg or greater: Environmentally hazardous substance, solid, n.o.s. (Bifenthrin)	9	III	Acute Aquatic Toxicity

Special precautions for user • None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

Other information

IMO/IMDG • No data available

IATA/ICAO • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • SARA Title III Section 313

FIFRA – Pesticide Labeling

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION

Hazard Statements • Keep out of reach of children.

Precautionary Statements •

Hazards to Humans and Domestic Animals •

Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

First Aid •

IF ON SKIN OR CLOTHING: 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.

Note to Physician - This product is a pyrethroid. If large amounts have been ingested, milk cream and other digestible fats and oils may increase absorption and should be avoided.

Environmental Hazards •

This pesticide is extremely toxic to fish and aquatic invertebrates. Do not apply when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather will help to ensure that wind not blow pesticide off the treatment area. Sweeping any product that

lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

Inventory		
Component	CAS	TSCA
Bifenthrin	82657-04-3	No

United States

Environment

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Bifenthrin	82657-04-3	1.0 % de minimis concentration
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Section 16 - Other Information

Revision Date	• 23/November/2016
Last Revision Date	• 23/November/2016
Preparation Date	• 23/November/2016
Disclaimer/Statement of Liability	• The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.