

SAFETY DATA SHEET

Issue Date 28-Oct-2014

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Version 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier Product Name

Gordon's® BUG-NO-MORE® Lawn Insect Granules

Other means of identificationProduct CodePBI FP 604-5EPA Pesticide Registration Number53883-39-2217

Recommended use of the chemical and restrictions on useRecommended UseInsecticide.Uses advised againstNo information available.

Details of the supplier of the safety data sheetSupplierManufPBI Gordon CorporationPBI Gordon1217 West 12th Street1217 VKansas City, MO 64101Kansas

Manufacturer PBI Gordon Corporation 1217 West 12th Street Kansas City, MO 64101

Chemtrec 1-800-424-9300

Company Name PBI Gordon Corporation 1217 West 12th Street Kansas City, MO 64101

Emergency telephone number Emergency Telephone

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Dermal	Category 4
Skin sensitization	Category 1

Label elements

Emergency Overview

Warning

Hazard statements

Harmful in contact with skin. May cause an allergic skin reaction.



Physical state Solid

Odor Odorless

Precautionary Statements - Prevention

· Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Precautionary Statements - Response

- IF ON SKIN: Wash with plenty of soap and water
- · Call a POISON CENTER or doctor/physician if you feel unwell
- Wash contaminated clothing before reuse
- If skin irritation or rash occurs: Get medical advice/attention

Precautionary Statements - Disposal

· Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Have the product label with you when calling a poison control center or doctor or going in for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.

Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%			
Permethrin	52645-53-1	0.25			

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures

<u> </u>	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.
Skin Contact	Take off contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Call a poison control center or doctor for treatment advice.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Call a poison control center or doctor for treatment advice.
Most important symptoms and effe	cts, both acute and delayed
Symptoms	No information available.
Indication of any immediate medica	al attention and special treatment needed
Note to physicians	Treat symptomatically.

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam. Carbon dioxide (CO2). Dry chemical. Water spray (fog).

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

<u>Protective equipment and precautions for firefighters</u> As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

	6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective eq	uipment and emergency procedures
Personal precautions	Use personal protective equipment as required.
Environmental precautions	
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional ecological information.
Methods and material for containme	ent and cleaning up
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Clean contaminated surface thoroughly. Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust.
	7. HANDLING AND STORAGE
Precautions for safe handling	
Advice on safe handling	Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.
Conditions for safe storage, includi	ng any incompatibilities
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Store at room temperature. Keep away from food, drink and animal feeding stuffs.
Incompatible materials	None known.
8. EXI	POSURE CONTROLS/PERSONAL PROTECTION
Control parameters	
Exposure Guidelines	This product, as supplied, does not contain any hazardous materials with occupational
Appropriate engineering controls	exposure limits established by the region specific regulatory bodies
Engineering Controls	Local and General Ventilation.
Individual protection measures, suc	ch as personal protective equipment
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear protective gloves and protective clothing.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Appearance Color	Solid Granules Brown	Odor Odor threshold	Odorless No information available
Property pH Melting point/freezing point Boiling point / boiling range Flash point Evaporation rate Flammability (solid, gas) Flammability Limit in Air Upper flammability limit: Lower flammability limit: Vapor pressure Vapor density Specific Gravity Water solubility Solubility in other solvents Partition coefficient Autoignition temperature Decomposition temperature	Values_ Not Applicable No information available No information available	<u>Remarks • Method</u>	
Oxidizing properties	No information available		
Other Information			
Density	35-40 pounds/cubic foot		

10. STABILITY AND REACTIVITY

Reactivity No data available

Chemical stability Stable.

Possibility of Hazardous Reactions None under normal processing.

Hazardous polymerization Will not occur.

Conditions to avoid None known.

Incompatible materials None known.

Hazardous Decomposition Products None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information					
Inhalation	May cause irritation of respiratory tract.				
Eye contact	May cause slight irritation.				
Skin Contact	Substance may cause slig	ht skin irritation.			
Ingestion	May cause irritation.				
Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50		
Permethrin 52645-53-1	= 383 mg/kg (Rat) = 220 mg/kg (Rat)	> 5000 mg/kg (Rat)> 2 g/kg (Rabbit)= 1750 mg/kg (Rat)	> 0.69 mg/L (Rat)4 h		
Information on toxicological e	ffects				
Symptoms	No information available.				
Delayed and immediate effect	s as well as chronic effects fron	n short and long-term exposure	<u>e</u>		
	s as well as chronic effects fron No information available.	n short and long-term exposure	<u>e_</u>		
Sensitization Germ cell mutagenicity	No information available. No information available.				
Sensitization Germ cell mutagenicity	No information available. No information available.	n short and long-term exposure whether each agency has listed a			
Sensitization Germ cell mutagenicity Carcinogenicity	No information available. No information available.	whether each agency has listed a			
Sensitization Germ cell mutagenicity Carcinogenicity Chemical Name	No information available. No information available. The table below indicates ACGIH IAF	whether each agency has listed a	any ingredient as a carcinoge		
Sensitization Germ cell mutagenicity Carcinogenicity Chemical Name Permethrin 52645-53-1 WARC (International Agency for Re	No information available. No information available. The table below indicates ACGIH IAF Grou	whether each agency has listed a	any ingredient as a carcinoge		
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Sensitization Germ cell mutagenicity Carcinogenicity Chemical Name Permethrin 52645-53-1 IARC (International Agency for Re Not classifiable as a human carcino Reproductive toxicity STOT - single exposure	No information available. No information available. The table below indicates ACGIH IAF Grou esearch on Cancer) gen No information available. No information available.	whether each agency has listed a	any ingredient as a carcinoge		
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Sensitization Germ cell mutagenicity Carcinogenicity Chemical Name Permethrin 52645-53-1 IARC (International Agency for Re Not classifiable as a human carcino Reproductive toxicity STOT - single exposure STOT - repeated exposure Aspiration hazard	No information available. No information available. The table below indicates ACGIH IAF Grou esearch on Cancer) gen No information available. No information available. No information available. No information available.	whether each agency has listed a	any ingredient as a carcinoge		
Sensitization Germ cell mutagenicity Carcinogenicity Chemical Name Permethrin 52645-53-1 VARC (International Agency for Re Not classifiable as a human carcino Reproductive toxicity STOT - single exposure STOT - repeated exposure Aspiration hazard Numerical measures of toxicit	No information available. No information available. The table below indicates ACGIH IAI Grou esearch on Cancer) gen No information available. No information available. No information available. No information available.	whether each agency has listed a RC NTP up 3	any ingredient as a carcinoge		
Sensitization Germ cell mutagenicity Carcinogenicity Chemical Name Permethrin 52645-53-1 IARC (International Agency for Re Not classifiable as a human carcino Reproductive toxicity STOT - single exposure STOT - repeated exposure Aspiration hazard Numerical measures of toxicity Unknown Acute Toxicity	No information available. No information available. The table below indicates ACGIH IAF Grou esearch on Cancer) gen No information available. No information available. No information available. No information available. No information available. No information available.	whether each agency has listed a	any ingredient as a carcinoge		
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Ecotoxicity

Very toxic to aquatic life with long lasting effects

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
			.	

Berne etterie	0.001 0.000 00 k	
Permethrin	0.001 - 0.009: 96 h	
52645-53-1	Pimephales promelas mg/L	
	LC50 static 0.0017 - 0.0048:	
	96 h Oncorhynchus mykiss	
	mg/L LC50 static 0.00049 -	
	0.00097: 96 h Oncorhynchus	
	mykiss mg/L LC50	
	flow-through 0.015: 96 h	
	Cyprinus carpio mg/L LC50	
	flow-through 0.00188 -	
	0.00336: 96 h Lepomis	
	macrochirus mg/L LC50	
	static 0.0052 - 0.0077: 96 h	
	Cyprinus carpio mg/L LC50	
	0.008 - 0.03: 96 h	
	Pimephales promelas mg/L	
	LC50 flow-through 0.0108:	
	96 h Lepomis macrochirus	
	mg/L LC50 0.00079: 96 h	
	Lepomis macrochirus mg/L	
	LC50 flow-through	

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

Moderately toxic to birds and other wildlife.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

 Disposal of wastes
 Disposal should be in accordance with applicable regional, national and local laws and regulations.

 Contaminated packaging
 Do not reuse container, unless specified by the manufacturer.

14. TRANSPORT INFORMATION

DOT

Description

The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Dept.

PESTICIDES, NOI, INCLUDING DEFOLIANTS, FUNGICIDES, HERBICIDES, OR INSECTICIDES NMFC 155050-6

In our current available sizes, this product does not qualify as a Hazardous Material.

15. REGULATORY INFORMATION

U.S. EPA Label Information

EPA Pesticide Registration Number 53883-39-2217

Federal Insecticide, Fungicide, Rodenticide Act Regulations

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

Caution. Keep out of the reach of children. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid inhalation of dust. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Avoid contamination of food and feed.

International Inventories

TSCA	Not Listed
DSL/NDSL	Not Listed
EINECS/ELINCS	Not Listed
ENCS	Not Listed
IECSC	Not Listed
KECL	Not Listed
PICCS	Not Listed
AICS	Not Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Permethrin				Х		Х	Х	Х	Х	Х

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Permethrin - 52645-53-1	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<u>CERCLA</u>

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Permethrin	Х	Х	
52645-53-1			

International Regulations

Mexico - Grade

Slight risk, Grade 1

16. OTHER INFORMATION

NFPA	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical
HMIS	Health hazards 1	Flammability 0	Physical hazards 0	Properties - Personal protection X

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of PBI Gordon Corporation's knowledge, information and belief at the date of this publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process, unless specified in the text. PBI GORDON CORPORATION MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. Each user is also responsible for evaluating the conditions of use and designing the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. PBI Gordon Corporation assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

End of Safety Data Sheet