

## SAFETY DATA SHEET

An Employee-Owned Company

Issue Date 15-Apr-2015 Revision Date 31-Aug-2021 Version 3

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

Product identifier.

Product Name Gordon's® Permethrin 10 Livestock and Premise Spray

Other means of identification

Product Code PBI FP 929-2 EPA Pesticide Registration Number 2217-853

Recommended use of the chemical and restrictions on use

Recommended Use Insecticide

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address Company Name Manufacturer

PBI-Gordon Corporation
P.O. Box 860350
Shawnee, KS 66286
Shawnee, KS 66286
Shawnee, KS 66286

Emergency telephone number

24 Hour Emergency Phone Number Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

## Classification

#### **OSHA Regulatory Status**

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

Acute Inhalation Toxicity - Gases	Category 3
Skin Sensitization	Category 1
Aspiration hazard	Category 1
Acute Aquatic Toxicity	Category 1
Chronic Aquatic Toxicity	Category 1
Flammable liquids	Category 4

## Label elements

#### **Emergency Overview**

## Signal word

Danger

## Hazard statements

- Toxic if inhaled
- May cause an allergic skin reaction
- Very toxic to aquatic life with long lasting effects
- May be fatal if swallowed and enters airways
- Combustible liquid



# PBI FP 929-2 - Gordon's® Permethrin 10 Livestock and Premise Spray

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Revision Date 31-Aug-2021

Appearance Liquid Physical state Liquid Odor Pungent

## **Precautionary Statements - Prevention**

Use only outdoors or in a well-ventilated area Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing must not be allowed out of the workplace Keep away from flames and hot surfaces. - No smoking Wear protective gloves/eye protection/face protection

Keep cool

## **Precautionary Statements - Response**

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Call a POISON CENTER or doctor

IF SWALLOWED: Immediately call a POISON CENTER or doctor

Do NOT induce vomiting

In case of fire: Use CO2, dry chemical, or foam to extinguish

#### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed

Store locked up

#### **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

Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Not applicable.

#### **Mixture**

Chemical name	CAS-No	Weight-%
Trade Secret	Trade secret	30-60*
Permethrin	52645-53-1	10

<sup>\*</sup> The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

## **Description of first aid measures**

General advice In case of accident or unwellness, seek medical advice immediately (show directions for

use or safety data sheet if possible).

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. If symptoms persist, call a physician.

**Skin contact**Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. In the case of skin irritation or allergic reactions see a physician.

**Inhalation** Aspiration into lungs can produce severe lung damage. If breathing has stopped, give

artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct

contact with skin. Use barrier to give mouth-to-mouth resuscitation. Delayed pulmonary

edema may occur.

Ingestion ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE.

Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Clean mouth with water and drink afterwards plenty of water. Never give

anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use

personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms No information available

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically. Because of the

danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Contains petroleum distillate -

vomiting may cause aspiration pneumonia.

5. FIRE-FIGHTING MEASURES

<u>Suitable Extinguishing Media</u> Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** No information available.

Specific hazards arising from the Kee

chemical

Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Product is or contains a sensitizer. In the event of fire and/or explosion do not breathe fumes. Thermal decomposition can lead to release of

irritating and toxic gases and vapors.

**Explosion data** 

Sensitivity to mechanical impact None.
Sensitivity to static discharge Yes.

Special protective equipment for

fire-fighters

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 equipment and emergency procedures

Personal precautions

Take precautionary measures against static discharges. Do not touch or walk through

spilled material. Avoid contact with skin, eyes or clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Use personal

protective equipment as required.

Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas Do not flush into

surface water or sanitary sewer system Prevent further leakage or spillage if safe to do so Prevent product from entering drains See Section 12 for additional ecological information Avoid release to the environment Collect spillage Dispose of contents/container to an

approved waste disposal plant

**Other information** Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far

ahead of liquid spill for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert

absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

#### Precautions for safe handling

Advice on safe handling Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat,

hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before

reuse.

## Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric

motors and static electricity). Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Control parameters

**Exposure Limits** 

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

**Appropriate engineering controls** 

Showers **Engineering controls** 

> Eyewash stations Ventilation systems.

#### Individual protection measures, such as personal protective equipment

Tight sealing safety goggles. Eye/face protection

Chemical resistant gloves. Hand protection

Skin and body protection Wear long-sleeved shirt, long pants, socks and shoes.

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.

Do not eat, drink or smoke when using this product. Contaminated work clothing should not General hygiene considerations

> be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid

# PBI FP 929-2 - Gordon's® Permethrin 10 Livestock and Premise Spray

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Appearance Liquid
Color Amber
Odor Pungent

Odor threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pHNo data availableNone known

Melting point/freezing point

None known

Boiling point / boiling range

No data available

None known

Flash point 77 °C / 171 °F Pensky-Martens Closed Cup (PMCC)

Evaporation rateNo data availableNone knownFlammability (solid, gas)No data availableNone knownFlammability Limit in AirNone known

Upper flammability limit: No data available

Lower flammability limit: No data available

Vapor pressureNo data availableNone knownVapor densityNo data availableNone known

Specific Gravity 0.8477 Water solubility Emulsifiable

Solubility in other solventsNo data availableNone knownPartition coefficientNo data availableNone knownAutoignition temperatureNo data availableNone knownDecomposition temperatureNo data availableNone known

Other Information

Liquid Density7.06 pounds/gallonBulk densityNo information available

## 10. STABILITY AND REACTIVITY

## Reactivity

No information available.

#### Stability 5 4 1

Stable under recommended storage conditions

## Possibility of hazardous reactions

None under normal processing.

## **Hazardous polymerization**

Will not occur.

## **Conditions to avoid**

Heat, flames and sparks.

## **Incompatible materials**

None known based on information supplied.

## **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** Specific test data for the substance or mixture is not available.

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and Fremise Spray

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**Skin contact** May be harmful in contact with skin.

**Ingestion** May be harmful if swallowed.

**Component Information** 

Chemical name	Oral LD50 Dermal LD50		Inhalation LC50	
Trade Secret	> 5000 mg/kg (Rat)	> 2000 mg/kg(Rabbit)	> 5.2 mg/L (Rat)4 h	
Permethrin 52645-53-1	= 220 mg/kg(Rat)	> 5000 mg/kg (Rat)	> 0.69 mg/L (Rat)4 h	

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

**Acute toxicity** 

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 2755 mg/kg
ATEmix (dermal) 4470 mg/kg
ATEmix (inhalation-gas) 1716 mg/L
ATEmix (inhalation-dust/mist) 8 mg/L

**Unknown Toxicity** 

0 % of the mixture consists of ingredient(s) of unknown toxicity

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** May cause sensitization by skin contact.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Permethrin	-	Group 3	-	-
52645-53-1		· ·		

Legend

IARC (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** May be fatal if swallowed and enters airways.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
Onemical manie	Algae/aquatic plants	1 1311	microorganisms	Orustacea
Trade Secret	_	2.2: 96 h Lepomis	-	_
Trade deciret		macrochirus mg/L LC50		
		static		
		2.4: 96 h Oncorhynchus		
		mykiss mg/L LC50 static		
		45: 96 h Pimephales		
		promelas mg/L LC50		
		flow-through		
Permethrin	-	0.00049 - 0.00097: 96 h	-	-
52645-53-1		Oncorhynchus mykiss mg/L		
		LC50 flow-through		
		0.001 - 0.009: 96 h		
		Pimephales promelas mg/L		
		LC50 static		
		0.0017 - 0.0048: 96 h		
		Oncorhynchus mykiss mg/L		
		LC50 static		
		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		
		0.00079: 96 h Lepomis		
		macrochirus mg/L LC50		
		flow-through		
		0.0108: 96 h Lepomis		
		macrochirus mg/L LC50		
		0.015: 96 h Cyprinus carpio		
		mg/L LC50 flow-through		

Persistence and degradability No information available.

<u>Bioaccumulation</u> No information available.

<u>Other adverse effects</u> Toxic to fish and aquatic invertebrates. Very toxic to bees.

## 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused

products

Disposal should be in accordance with applicable regional, national and local laws and

regulations.

**Contaminated packaging** Do not reuse empty containers.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** 

**UN/ID no.** UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard class 9
Packing group II

**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Permethrin), 9, III

MEX

UN/ID no. UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard class 9

Special Provisions 274, 331, 335

Packing group III

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Permethrin), 9, III

ICAO (air)

UN/ID no. UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard class 9
Packing group III

Special Provisions A97, A158, A197, A215

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Permethrin), 9, III

IATA Limited quantity applies with an inner packaging less than 5 L or gross package weight less

than 30 kg.

UN number UN3082

**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es) 9
Packing group |||

Special Provisions A97, A158, A197

Description UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Permethrin), 9, III

IMDG Limited quantity applies with an inner packaging less than 5 L or gross package weight less

than 30 kg.

UN number UN3082

**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport hazard class(es)
Packing group
EmS-No.
Special Provisions

9
III
F-A, S-F
274, 335, 969

**Description** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(PERMETHRIN), 9, III, MARINE POLLUTANT

## 15. REGULATORY INFORMATION

#### U.S. EPA Label Information

#### **EPA Pesticide Registration Number** 2217-853

## 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**

KEEP OUT OF REACH OF CHILDREN WARNING PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals WARNING: Causes skin irritation. Do not get on skin or on clothing. Harmful if inhaled. Avoid breathing vapors or spray mists. Causes moderate eye irritation. Avoid contact with eyes. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. DO NOT USE ON CATS. May be toxic or potentially fatal if applied to or ingested by cats. Accidental application to cats and/or grooming a recently treated dog may result in tremors and/or uncoordinated muscle movements. If this occurs, immediate veterinary care should be provided. Environmental Hazards: This pesticide is extremely toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff

from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters. This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Physical Or Chemical Hazards: Combustible. Do not use or store near heat or open flame. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

#### **International Inventories**

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

#### **US Federal Regulations**

## **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or 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

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

## **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).

#### **CERCLA**

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

**US State Regulations** 

Chemical name	New Jersey	Massachusetts	Pennsylvania
Permethrin	X	X	-
52645-53-1			
Trade Secret	-	-	X

## **16. OTHER INFORMATION**

**Health hazards** 3

Flammability 2 Instability 0 **Physical and Chemical NFPA** 

Properties -

HMIS Health hazards 3 Flammability 2 Physical hazards 0 Personal protection X

#### Disclaimer

The information provided in this 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**