

SAFETY DATA SHEETS

This SDS packet was issued with item:

078800059

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078800042 078800067

[Return to MSDS List](#) , First MSDS in list. , Last MSDS in list.

M A T E R I A L S A F E T Y D A T A S H E E T

Generated 06/24/2010, Revision 02/24/2010, Date Created 02/24/2010

SECTION 1. Product and Company Identification MYCODEX FLEA & TICK SHAMPOO P3

Product Code: 2724-506-43591
Product Name: MYCODEX FLEA & TICK SHAMPOO P3
Manufacturer Information
Company Name: Distributed by:
Veterinary Products Laboratories
P.O. Box 34820
Phoenix, AZ 85067-4820
Emergency Contact: CHEMTREC (800)424-9300
Information: (888)241-9545
Preparer Name: SFaith/Regulatory
Additional Identity Information
100503640 (6-oz); 100503641 (12-oz); 100503642 (1-gal)

SECTION 2. Composition/Information on Ingredients MYCODEX FLEA & TICK SHAMPOO P3

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
Pyrethrins and Pyrethroids	8003-34-7	0.15 %	5 mg/m3	5 mg/m3
Piperonyl butoxide	51-03-6	1.5 %	No data.	No data.

SECTION 3. Hazards Identification MYCODEX FLEA & TICK SHAMPOO P3

Emergency Overview

KEEP OUT OF REACH OF CHILDREN

Route(s) of Entry: Inhalation? N.A. , Skin? Yes , Eyes? Yes , Ingestion? N.A.

Potential Health Effects (Acute and Chronic)

Causes moderate eye irritation.

Harmful if absorbed through the skin.

Recommended Exposure Limits

Pyrethrins = 5 mg/m3 (OSHA PEL & ACGIH TLV)

Signs and Symptoms Of Exposure

No data available.

Additional Hazards Information

Oral: Amounts transferred to the mouth by fingers, etc., during normal operations should not cause injury.

Dermal: May cause mild skin irritation.

SECTION 4. First Aid Measures

MYCODEX FLEA & TICK SHAMPOO P3

Emergency and First Aid Procedures

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN: 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

Treat symptomatically.

SECTION 5. Fire Fighting Measures

MYCODEX FLEA & TICK SHAMPOO P3

Flammability Classification: non-combustible liquid

Flash Pt: NA

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NA

Fire Fighting Instructions

Normal procedures. Do not allow fire fighting water to escape into water-ways or sewers.

Flammable Properties and Hazards

None known

Hazardous Combustion Products

None known

Extinguishing Media

CO₂, foam, dry chemical

Unsuitable Extinguishing Media

None known

Additional Fire Fighting Information

Firefighters should wear full protective clothing including self-contained breathing apparatus.

SECTION 6. Accidental Release Measures

MYCODEX FLEA & TICK SHAMPOO P3

Steps To Be Taken In Case Material Is Released Or Spilled

Do not allow spill to enter waterways inhabited by aquatic organisms. Soak up spill with absorbent material and place in container for disposal. Absorbents: Clay granules, sawdust, dirt or equivalent.

SECTION 7. Handling and Storage

MYCODEX FLEA & TICK SHAMPOO P3

Precautions To Be Taken in Handling

Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

Precautions To Be Taken in Storing

Store in a cool place. Do not contaminate water, food or feed by storage

SECTION 8. Exposure Controls/Personal Protection MYCODEX FLEA & TICK SHAMPOO P3

Respiratory Equipment (Specify Type)

See below

Eye Protection

See below

Protective Gloves

See below

Other Protective Clothing

Under conditions of normal use, no special personal protective equipment is required. If prolonged exposure is anticipated, it is recommended for users and handlers to wear impervious gloves, goggles and other appropriate clothing to prevent skin and eye contact.

Engineering Controls (Ventilation etc.)

Natural ventilation will suffice.

Work/Hygienic/Maintenance Practices

Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

SECTION 9. Physical and Chemical Properties MYCODEX FLEA & TICK SHAMPOO P3

Physical States:	[] Gas	[X] Liquid	[] Solid
Melting Point:	NA		
Boiling Point:	NA		
Autoignition Pt:	NA		
Flash Pt:	NA		
Explosive Limits:	LEL: No data.		UEL: No data.
Specific Gravity (Water = 1):	1.021		
Density:	8.5 LB/GA		
Bulk density:	No data.		
Vapor Pressure (vs. Air or mm Hg):	NA		
Vapor Density (vs. Air = 1):	NA		
Evaporation Rate (vs Butyl Acetate=1):	NA		
Solubility in Water:	No data.		
Solubility Notes			
Miscible with water			
Percent Volatile:	NA		
VOC / Volume:	NA 0.0000		
HAP / Volume:	NA 0.0000		
Saturated Vapor Concentration:	NA		
Viscosity:	NA		
Heat Value:	No data.		

Particle Size: No data.

Corrosion Rate: No data.

pH: 5.94

Appearance and Odor

Clear, green, viscous liquid; pleasant perfume-like odor

SECTION 10. Stability and Reactivity
MYCODEX FLEA & TICK SHAMPOO P3

Stability: Unstable [☐] Stable [☒]

Conditions To Avoid - Instability

None known

Incompatibility - Materials To Avoid

Strong oxidizers, strong acids

Hazardous Decomposition Or Byproducts

None known

Hazardous Polymerization: Will occur [☐] Will not occur [☒]

Conditions To Avoid - Hazardous Polymerization

None known

SECTION 11. Toxicological Information
MYCODEX FLEA & TICK SHAMPOO P3

ACUTE TOXICITY

Piperonyl butoxide

Acute oral toxicity: LD50 = 4300 mg/kg

Acute dermal toxicity: LD50 > 2000 mg/kg

Acute inhalation toxicity: 4-Hour LC50 > 5.0 mg/L

Skin irritation: Essentially non-irritating

Eye irritation: Essentially non-irritating

Pyrethrins (pyrethrum)

Acute oral toxicity: LD50 = 2370 mg/kg (male rats)

LD50 = 1030 mg/kg (female rats)

LD50 273 – 796 mg/kg (mice)

Acute dermal toxicity: LD50 > 1500 mg/kg (rats)

LD50 = 5000 mg/kg (rabbits)

Acute inhalation toxicity: 4-Hour LC50 3.4 mg/L (rats)

Skin irritation: Slightly irritating

Eye irritation: Slightly irritating

Chronic Toxicological Effects

CHRONIC TOXICITY [Specific to Active Ingredient(s)]

Piperonyl butoxide: An increase in the number of benign liver tumors in mice fed piperonyl butoxide technical at doses which far exceeded any anticipated daily human intake. Independent and industry toxicology experts have reviewed the data and agree that the findings of the study do not indicate a health risk to humans.

Carcinogenicity: NTP: No IARC: No OSHA: No

Pyrethrins: Marginally higher incidences of benign thyroid, parathyroid, ovary, and liver tumors were observed in rats and in lungs of mice following lifetime high dose exposure to pyrethrum. The significance of these observations is questionable.

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
Pyrethrins and Pyrethroids	8003-34-7	n.a.	n.a.	A4	n.a.
Piperonyl butoxide	51-03-6	n.a.	n.a.	n.a.	n.a.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No**Additional Toxicological Information**

DEVELOPMENTAL/REPRODUCTIVE TOXICITY [Specific to Active Ingredient(s)]

Piperonyl butoxide: There were no birth defects or adverse effects on reproductive parameters in tests with rats or rabbits. It is not considered to be teratogenic.

Pyrethrins: There were no birth defects or adverse effects on reproductive parameters in tests with rats or rabbits. It is not considered to be teratogenic.

MUTAGENICITY [Specific to Active Ingredient(s)]

Piperonyl butoxide is not genotoxic in several tests including the Ames mutagenicity assay, chromosome aberrations in Chinese hamster ovary (CHO) cells, CHO/HGPRT assay with S9 activation, and in the unscheduled DNA synthesis (UDS) assay in cultured human liver cells.

Pyrethrins: Pyrethrum was not found to be genotoxic and did not damage DNA in any study conducted (Ames mutagenicity assay, chromosome aberrations in Chinese hamster ovary (CHO) cells, and in the unscheduled DNA synthesis (UDS) assay in cultured human liver cells.

SECTION 12. Ecological Information
MYCODEX FLEA & TICK SHAMPOO P3

ECOTOXICITY [Active Ingredients Only]

Piperonyl butoxide and pyrethrins are toxic to fish. Do not discharge effluent containing these components to sewer systems without previously notifying the local sewage treatment plant authority. Do not contaminate water by cleaning of equipment or disposal of wastes.

SECTION 13. Disposal Considerations
MYCODEX FLEA & TICK SHAMPOO P3

Waste Disposal Method

Do not contaminate water or food by disposal. Disposal: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

Never place unused product down any indoor or outdoor drain.

SECTION 14. Transport Information
MYCODEX FLEA & TICK SHAMPOO P3

LAND TRANSPORT (US DOT)**DOT Proper Shipping Name** Not regulated by U.S. DOT**DOT Hazard Label:** None

SECTION 15. Regulatory Information
MYCODEX FLEA & TICK SHAMPOO P3

No data available.

SECTION 16. Other Information MYCODEX FLEA & TICK SHAMPOO P3

Company Policy or Disclaimer

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.

NFPA Hazard Ratings:		
Health:	1	Minimal: 0
Flammability:	NA	Slight: 1
Reactivity:	NA	Moderate: 2
Special Hazard:	NA	Serious: 3
		Extreme: 4
		Generated 06/24/2010 Revision 02/24/2010 Date Created 02/24/2010



SAFETY DATA SHEET

Issue Date 09-Jun-2017

Revision Date 16-Jun-2017

Version 1

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

Product identifier

Product Name Mycodex® Flea & Tick Shampoo P³

Other means of identification

Product Code PEG FP 100531057

EPA Pesticide Registration Number 2724-506-92895

Product Size 12 oz. bottle

Recommended use of the chemical and restrictions on use

Recommended Use Flea and tick shampoo.

Uses advised against No information available.

Details of the supplier of the safety data sheet

Manufacturer	Company Name
Wellmark International	PRN Pharmacal
1501 E. Woodfield Road, Suite 200 West	8809 Ely Road
Schaumburg, IL 60173	Pensacola, FL 32514

Emergency telephone number

Emergency Telephone 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 dermal toxicity	Category 4
Acute Inhalation Toxicity - Dusts and Mists	Category 4
Carcinogenicity	Category 1B

Label elements

Emergency Overview

Danger

Hazard statements

May cause cancer.



Appearance Viscous Liquid

Physical state Liquid

Odor Pleasant Perfume-like

Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required

- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

- IF exposed or concerned: Get medical advice/attention
- 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 INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements - Storage

- Store locked up

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)**Other Information**

Do not use on puppies or kittens under 12 weeks of age.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS. Number	Weight %
Piperonyl Butoxide	51-03-6	1.88
Pyrethrins	8003-34-7	0.15

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

4. FIRST AID MEASURES**First aid measures**

General advice	If symptoms persist, call a physician.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Immediate medical attention is not required.
Ingestion	Do NOT induce vomiting. 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	Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Use CO₂, dry chemical, or foam.

Specific hazards arising from the chemical

No information available.

Explosion data**Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.**Protective equipment and precautions for firefighters**

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** Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment as required.**Environmental precautions****Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.**Methods and material for containment and cleaning up****Methods for containment** Prevent further leakage or spillage if safe to do so.**Methods for cleaning up** 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 with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing.**Conditions for safe storage, including any incompatibilities****Storage Conditions** Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.**Incompatible materials** OXIDIZERS. Strong acids.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Pyrethrins 8003-34-7	TWA: 5 mg/m ³	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 5000 mg/m ³ TWA: 5 mg/m ³

NIOSH IDLH Immediately Dangerous to Life or Health

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****Engineering Controls** Showers
Eyewash stations

Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Under conditions of normal use no personal protective equipment is required. If prolonged exposure is anticipated it is recommended for the users and handlers to wear goggles.
Skin and body protection	Under conditions of normal use no personal protective equipment is required. If prolonged exposure is anticipated it is recommended for users and handlers to wear impervious gloves and other clothing to prevent skin contact.
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. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Pleasant Perfume-like
Appearance	Viscous Liquid	Odor threshold	No information available
Color	Clear Green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5.94	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	1.021	
Water solubility	Miscible in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Oxidizing properties	No information available	

Other Information

Density 8.5 pounds/gallon

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Keep out of reach of children.

Incompatible materials

OXIDIZERS. Strong acids.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	No data available.
Eye contact	Moderately irritating to the eyes.
Skin Contact	May cause mild skin irritation.
Ingestion	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Piperonyl Butoxide 51-03-6	= 6150 mg/kg (Rat) = 4570 mg/kg (Rat)	> 7950 mg/kg (Rat)	-
Pyrethrins 8003-34-7	= 200 mg/kg (Rat)	= 1350 mg/kg (Rat) = 300 mg/kg (Rabbit)	= 3.4 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

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

Sensitization No information available.
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
Piperonyl Butoxide 51-03-6		Group 3		

IARC (International Agency for Research on Cancer)

Not classifiable as a human carcinogen

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Chronic toxicity Avoid repeated exposure.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown Toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity
Oral LD50 2370 mg/kg (male rats)
Dermal LD50 > 1500 mg/kg (rat)
Inhalation LC50 > 3.4 mg/L (4 Hr.) (rat)

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO. This product contains a chemical which is listed as a marine pollutant according to DOT.

Ecotoxicity

2% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Piperonyl Butoxide 51-03-6		NOEC Fathead minnow 0.04 mg/L [Chronic] 96 Hour(s) LC50 Rainbow Trout 1.9 mg/L [Acute] 96 Hour(s) LC50 Sheephead minnow 3.94 mg/L [Acute]		48 Hour(s) LC50 Daphnia magna 0.51 mg/L [Acute] 48 Hour(s) LC50 Mysid shrimp 0.49 mg/L [Acute] NOEC Daphnia magna 0.03 mg/L [Chronic]
Pyrethrins 8003-34-7		0.054: 96 h Oncorhynchus mykiss mg/L LC50 0.0031 - 0.0038: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.02 - 0.03: 96 h Oncorhynchus mykiss mg/L LC50 static 0.0322 - 0.0472: 96 h Lepomis macrochirus mg/L LC50 static 0.003 - 0.0046: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.074: 96 h Lepomis macrochirus mg/L LC50 0.0425 - 0.121: 96 h Pimephales promelas mg/L LC50 flow-through 0.224 - 0.458: 96 h Pimephales promelas mg/L LC50 static		

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

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.

14. TRANSPORT INFORMATION

DOT

Proper shipping name

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

Bulk packaging only: UN3082 Environmentally hazardous substance, liquid, n.o.s., (Pyrethrins), 9, PG III

Non-bulk packaging is not regulated.

Insecticide or Repellent NMFC # 155050

Marine pollutant

This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO. This product contains a chemical which is listed as a marine pollutant according to DOT.

15. REGULATORY INFORMATION

U.S. EPA Label Information

EPA Pesticide Registration Number 2724-506-92895

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 reach of children.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

HUMANS: Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

ANIMALS: Do not use on puppies or kittens less than 12 weeks old.

Consult a veterinarian before using this product on debilitated, aged, animals on medication, pregnant, or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

In case of emergency or for product use information, call 1-888-241-9545.

International Inventories

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

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Piperonyl Butoxide	X	X		X		X	X	X	X	X
Pyrethrins		X		X			X	X	X	X

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 %
Piperonyl Butoxide - 51-03-6	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 contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Pyrethrins 8003-34-7	1 lb			

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Pyrethrins 8003-34-7	1 lb		RQ 1 lb final RQ RQ 0.454 kg final RQ

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Piperonyl Butoxide 51-03-6	X		
Pyrethrins 8003-34-7	X	X	X

International Regulations**Mexico - Grade**

Moderate risk, Grade 2

Chemical Name	Carcinogenicity	Exposure Limits
Pyrethrins		Mexico: TWA 5 mg/m ³ Mexico: STEL 10 mg/m ³

16. OTHER INFORMATION

NFPA	Health hazards 2	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 2	Flammability 0	Physical hazards 0	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