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 PRN 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 Wellmark International
1501 E. Woodfield Road, Suite 200 West
Schaumburg, IL 60173

Company Name PRN Pharmacal
8809 Ely Road
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)

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute dermal toxicity</td>
<td>Category 4</td>
</tr>
<tr>
<td>Acute Inhalation Toxicity - Dusts and Mists</td>
<td>Category 4</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 1B</td>
</tr>
</tbody>
</table>

Label elements

Emergency Overview

Danger

Hazard statements
May cause cancer.

Appearance Viscous Liquid
Physical State @20°C 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS. Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piperonyl Butoxide</td>
<td>51-03-6</td>
<td>1.88</td>
</tr>
<tr>
<td>Pyrethrins</td>
<td>8003-34-7</td>
<td>0.15</td>
</tr>
</tbody>
</table>

* 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.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

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 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


Incompatible materials OXIDIZERS. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyrethrins</td>
<td>TWA: 5 mg/m³</td>
<td>TWA: 5 mg/m³ (vacated)</td>
<td>IDLH: 5000 mg/m³</td>
</tr>
</tbody>
</table>

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
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State @20°C</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Viscous Liquid</td>
<td>Odor</td>
</tr>
<tr>
<td>Color</td>
<td>Clear Green</td>
<td>Odor threshold</td>
</tr>
<tr>
<td>pH</td>
<td>5.94</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.021</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Miscible in water</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

Other Information

Density VALUE 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.
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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral VALUE (mg/kg)</th>
<th>LD50 Dermal VALUE</th>
<th>LC50 Inhalation (DUST) VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piperonyl Butoxide</td>
<td>= 6150 mg/kg (Rat)</td>
<td>&gt; 7950 mg/kg (Rat)</td>
<td>-</td>
</tr>
<tr>
<td>51-03-6</td>
<td>(Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pyrethrins</td>
<td>= 200 mg/kg (Rat)</td>
<td>= 1350 mg/kg (Rat) = 300 mg/kg (Rabbit)</td>
<td>= 3.4 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>8003-34-7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piperonyl Butoxide</td>
<td></td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>51-03-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

LD50 Oral VALUE (mg/kg) 2370 mg/kg (male rats)

LD50 Dermal VALUE > 1500 mg/kg (rat)

LC50 Inhalation (DUST) VALUE > 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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piperonyl Butoxide 51-03-6</td>
<td>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]</td>
<td>48 Hour(s) LC50 Daphnia magna 0.51 mg/L [Acute] 48 Hour(s) LC50 Mysis shrimp 0.49 mg/L [Acute] NOEC Daphnia magna 0.03 mg/L [Chronic]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pyrethrins 8003-34-7</td>
<td>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</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>TSCA</th>
<th>DSL/NDSL</th>
<th>EINECS/ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Not Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piperonyl Butoxide - 51-03-6</td>
<td>1.0</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>
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)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyrethrins</td>
<td>1 lb</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyrethrins</td>
<td>1 lb</td>
<td></td>
<td>RQ 1 lb final RQ</td>
</tr>
</tbody>
</table>

US State Regulations

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piperonyl Butoxide</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>51-03-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pyrethrins</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>8003-34-7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

International Regulations

Mexico - Grade
Moderate risk, Grade 2

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogenicity</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyrethrins</td>
<td></td>
<td>Mexico: TWA 5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 10 mg/m³</td>
</tr>
</tbody>
</table>

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