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

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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
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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:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> 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
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