



Liquid Wormer 2X  
Distributed by: Durvet, Inc.  
100 SE Magellan Dr  
Blue Springs, MO 64014  
Phone: 800-821-5570

# SAFETY DATA SHEET

## Section 1: Product and Company Identification

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**Product Name:**

Liqui-Vict 2X (pyrantel pamoate)  
Canine anthelmintic suspension

**SDS Creation Date:** February 5, 2016

**Manufacturer/Supplier Information:**

ABS Corporation  
7031 N 16<sup>th</sup> St  
Omaha NE 68112

402-453-6970  
www.abs-corporation.com

**Manufactured for:**

Happy Jack  
PO Box 475  
Snow Hill NC 28580

252-747-2911  
www.happyjackinc.com

**Product Description:** Liqui-Vict 2X is a suspension of pyrantel pamoate in a palatable butterscotch-flavored vehicle. Each mL contains 4.54 mg of pyrantel base as pyrantel pamoate. ANADA #200-007; approved by FDA.

**Relevant Uses:** Treatment for the removal of large roundworms (*Toxocara canis*, and *Toxascaris leonine*) and hookworms (*Ancylostoma caninum* and *Uncinaria stenocephala*) in dogs and puppies. **Note:** This product is a suspension and will separate. To ensure uniform resuspension and to achieve proper dosage, it is extremely important that the product be shaken thoroughly before each use.

**General Information:** ABS Corporation 402.453.6970 ext. 218.

## Section 2: Hazards Overview

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### Emergency Overview:

#### GHS Classification:

Flammable Liquids	Category 4
Flammability	Category 5
Reactivity	Category 4

#### GHS Labeling Symbol:



#### Hazard Statements:

May cause eye irritation  
May cause mouth and throat irritation

#### Precautionary Statements:

Keep away from open flame and hot surfaces  
Keep container tightly closed when not in use  
Keep out of reach of children  
Wear protective gloves  
Wear protective eye protection  
Wash hands thoroughly after handling  
Use in well ventilated area

**Signal Word:** Warning

#### Response:

**IF ON SKIN:** Rinse area with large amounts of soap and water. If irritation occurs, consult a physician.

**IF IN EYES:** Rinse with copious amounts of water for 15 minutes. If eye irritation continues, seek medical attention.

**IF INGESTED:** Call Poison Control and seek immediate medical attention.

**Storage:** Store in tightly sealed container at room temperature out of direct sunlight. Keep out of reach of children. Mix well before each use.

**Disposal:** Dispose in accordance with all local, state, and federal regulations. Contaminated absorbent may be deposited in a landfill in accordance with local, state, and federal regulations.

This product does not contain carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP. This product contains components that are considered hazardous by the OSHA Hazard Communication Standard (29 CFR §1910.1200).

## Section 3: Composition/Information on Ingredients

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No.	Component CAS REG. NO.	Amount % (w/w)
1	Pyrantel Pamoate (22204-24-6)	1.13%

## Section 4: First Aid Measures

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### First Aid Measures by route of exposure:

**Ingestion:** Call Poison Control and seek immediate medical attention.

**Skin:** If irritation is experienced, flush with soap and water. If irritation persists, seek medical attention.

**Eyes:** Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

## Section 5: Fire Fighting Measures

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**Flash Point:** Not established

**Auto-Ignition Temperature:** Not established

**Upper Flammable Limit (% by Volume):** Not established

**Lower Flammable Limit (% by Volume):** Not established

**Means of Extinction:** Water, carbon dioxide, Class A, AB, or ABC fire extinguisher

**Products of Combustion:** Toxic fumes are released

**Fire Fighting Equipment/Instructions:** Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and approved MSHA/NIOSH self-contained breathing apparatus.

## Section 6: Accidental Release Measures

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**Personal Protection:** For large spills, wear gloves, safety glasses, and protective clothing. Keep unnecessary personnel away from the spill site. Eliminate all sources of ignition or flammables that may come into contact with this product.

**Environmental Precautions:** This product is suitable for entry into an ordinary sanitary sewer system. Run copious amounts of water down drains to dilute product.

**Methods for clean up:** Sweep or mop and put in chemical waste containers. Wash area with copious amounts of soap and water.

## Section 7: Handling and Storage

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**Handling:** Keep away from open flame. Keep out of reach of children.

**Storage:** Store at room temperature. Keep below 40°C. Protect from light. Mix solution well before each use as suspension will settle.

## Section 8: Exposure Controls/Personal Protection

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### Personal Protective Equipment (PPE):

**Respiratory Protection:** Not necessary

**Eye/Face Protection:** Safety glasses with side shields

**Hand Protection:** Disposable gloves

**Body Protection:** Protective clothing, avoid skin contact

**Other Protective Equipment:** Not necessary

## Section 9: Physical and Chemical Properties

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**Appearance, state:** Liquid suspension

**Color:** Yellow

**Odor:** Butterscotch

**pH:** 4.5-6.0

**Boiling Point:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Solubility in Water:** Partly miscible

**Specific Gravity:** 1.19 g/mL

**Percent Volatile:** N/A

**Evaporation Rate:** N/A

## Section 10: Stability and Reactivity

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**Stability:** This product is considered stable under normal conditions.

**Conditions to Avoid:** Flames, elevated temperatures (above 40°C), keep out of light.

**Incompatible Materials:** This product will react with strong oxidizing materials.

**Hazardous Decomposition Byproducts:** Upon decomposition at high temperatures, this product emits carbon monoxide, carbon dioxide, and aldehydes.

## Section 11: Toxicological Information

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*This product is a pyrantel pamoate mixture in an aqueous (water-based) vehicle and is considered non-hazardous for normal use. Some of the following toxicological data in the following table may refer to the pyrantel pamoate ingredient in a pure dry powder form. See bibliography in Section 16.*

## Pyrantel Pamoate (CAS No. 22204-24-6)

	Exposure routes	Effect
<b>Acute Effects</b>	Inhalation	Yes
	Ingestion	Yes
	Skin contact	Yes
	Eye contact	Yes
<b>Effects (acute, delayed, chronic) following the exposure (short and/or prolonged)</b>	Inhalation	May cause irritation.
	Ingestion	Acute oral studies have not shown adverse effects if swallowed
	Skin contact	May cause irritation of the skin
	Eye contact	May cause burning sensation and irritation of the conjunctiva
<b>Acute Toxicity Effects</b>	Oral	LD50 rat: > 2000 mg/kg <sup>(2)</sup>
	Dermal	Not present in the databases consulted.
	Inhalation	Not present in the databases consulted.
	Other effects	LD50 intraperitoneal rat: 535mg/kg <sup>(1)</sup>
<b>Corrosion/Irritation Effects</b>		Not present in the databases consulted.
<b>Severe ocular lesion</b>		Not present in the databases consulted.
<b>Sensitization</b>	Dermal	Not present in the databases consulted.
	Respiratory	Not present in the databases consulted.
	Repeated dose toxicity (experimental)	Clinical effects from repeated administration studies are not reported.
<b>CMR (Carcinogenic, Mutagenic and Reprotoxic) Effects</b>	Mutagenicity AMES test	Negative <sup>(2)</sup>
	Germinal cell mutagenicity	Induces increases in sperm-head abnormalities in the murine sperm-head abnormality test.
	Carcinogenicity	No available studies. Not present in the NTP, IARC, and OSHA lists.
	Reproductive toxicity	Studies in rats and rabbits showed no adverse reproductive effects at doses up to 250 mg/kg/day. A study in mice receiving Pyrantel Pamoate indicated an increase in resorptions and stillbirths.
<b>Specific Target Organ Toxicity (STOT) - single exposure</b>		Not present in the databases consulted.
<b>Specific Target Organ Toxicity (STOT) - repeat exposure</b>		Not present in the databases consulted.
<b>Aspiration hazards</b>		Not present in the databases consulted.
<b>Epidemiological information</b>		Not present in the databases consulted.
<b>Other information</b>		Not present in the databases consulted.

## Section 12: Ecological Information

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**Ecotoxicity:** Not available.

## Section 13: Disposal Considerations

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Dispose in accordance with all local, state, and federal regulations. Contaminated absorbent may be deposited in a landfill in accordance with local, state, and federal regulations.

## Section 14: Transportation Information

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This product is not subject to transport classification.

## Section 15: Regulatory Information

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Product is governed and reviewed by the FDA under ANADA #200-007.

## Section 16: Other Supplemental Information

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### SDS Prepared by:

Dallas Keeney, Quality Control  
Scott McKeen, Technical Services  
ABS Corporation  
February 5, 2016

### Bibliography:

- <sup>(1)</sup> F. P. Inc. (2004). *Material Safety Data Sheet Liquid Canine Wormer*.
- <sup>(2)</sup> COSMA, S.p.A. (2015). *Safety Data Sheet for Pyrantel Pamoate*.

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