



## MATERIAL SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION OF PRODUCT AND COMPANY

<b>Pfizer Ltd</b>	<b>Animal Health Division</b>	+44 (0)1737 331333
<b>Walton Oaks</b>	(office hours)	
<b>Dorking Road</b>	<b>Pfizer Main Exchange</b>	+44 (0)1304 616161
<b>Tadworth</b>	(emergency out of hours)	
<b>Surrey KT20 7NS, UK</b>	<b>ChemSafe (24 hours)</b>	+44 (0)1304 646399
	<b>Fax</b>	+44 (0)1737 332521
	(Emergency out of hours)	+44 (0)1304 655221

<b>Trade names</b>	<b>STRONGID; HORSEMINTH</b>
<b>Product name</b>	<b>Pyrantel Pamoate Paste for Horses</b>
<b>Synonyms</b>	<b>Strongid Paste; Strongid-P Paste; Strongid Caramel; Horseminth</b>
<b>Chemical family</b>	Tetrahydropyrimidine
<b>Therapeutic use</b>	Anthelmintic
<b>Description</b>	Pale yellow to buff paste

### SECTION 2 - COMPOSITION

<u>Ingredient</u>	<u>CAS Number</u>	<u>Amount</u>
Pyrantel pamoate*	22204-24-6	43.9%
Sorbitol solution	50-70-4	Trade secret
Sodium alginate	9005-38-3	Trade secret
Methylparaben	99-76-3	Trade secret
Polysorbate 80	9005-65-6	Trade secret
Propylparaben	94-13-3	Trade secret
Bronopol*	52-51-7	Trade secret
Flavor	Not assigned	<1%*
Purified water	7732-18-5	Trade secret

\*Hazardous

Note: Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

\*Flavor contained in Strongid Caramel only.

### SECTION 3 - HAZARDS IDENTIFICATION

<b>Signal word</b>	<b>CAUTION!</b>
<b>Statements of hazard</b>	<b>MAY CAUSE GASTROINTESTINAL, LIVER, AND CENTRAL NERVOUS SYSTEM EFFECTS</b>

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**SECTION 3 - HAZARDS IDENTIFICATION** ... continued

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<b>Eye effects</b>	None known; however, direct contact with any foreign material may cause eye irritation.
<b>Skin effects</b>	May cause skin irritation based on components.
<b>Inhalation effects</b>	An Occupational Exposure Limit has been established for one or more of the ingredients (see Section 8).
<b>Ingestion effects</b>	The active ingredient is not acutely toxic. See 'Statements of hazard', 'Known clinical effects', and/or 'Other potential health effects' in this section.
<b>Known clinical effects</b>	Ingestion of this material may cause effects similar to those seen in clinical use including nausea, vomiting, abdominal cramps, anorexia, diarrhea, and constipation. Central nervous system effects such as dizziness, headache, insomnia, irritability and weakness have also been reported.
<b>NOTE:</b>	This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

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**SECTION 4 - FIRST AID MEASURES**

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<b>Skin</b>	Wash skin with soap and water. Remove contaminated clothing and shoes. This material may not be completely removed by conventional laundering. Consult professional laundry service. Do not home launder. If irritation occurs or persists, get medical attention.
<b>Eyes</b>	Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
<b>Ingestion</b>	Get medical attention immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

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**SECTION 5 - FIRE FIGHTING MEASURES**

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<b>Fire fighting instructions</b>	Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear. Evacuate area and fight fire from a safe distance.
<b>Extinguishing media</b>	Use carbon dioxide, dry chemical, or water spray.

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**SECTION 5 - FIRE FIGHTING MEASURES** ... continued

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<b>Flash point</b>	No data available
<b>Hazardous combustion products</b>	Emits toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides and other sulfur-containing compounds.

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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<b>General</b>	Review Sections 3, 8 and 12 before proceeding with clean up.
<b>Small spill</b>	Use non-combustible absorbent material to wipe up spill and place in a sealed container for disposal. Clean spill area thoroughly.
<b>Large spill</b>	Collect spill with a non-combustible absorbent material. Transfer all waste to a labeled container and move it to a secure holding area.

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**SECTION 7 - HANDLING AND STORAGE**

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<b>General handling</b>	Use only in a well-ventilated area. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
<b>Storage conditions</b>	Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Protect from light. Keep out of reach of children.
<b>Temperature range for storage</b>	<25°C (<77 °F)

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**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

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<b>Exposure limits</b>			
<u>Compound</u>	<u>Issuer</u>	<u>Type</u>	<u>OEL</u>
Pyrantel pamoate	Pfizer	TWA-8 Hr	0.3 mg/m <sup>3</sup>
<b>Exposure information</b>	The exposure limit(s) listed for solid components are only relevant if dust may be generated.		
<b>Measurement method</b>	Pyrantel pamoate:CAM-JWT-94-05; P 156.8 (Contact Pfizer for additional details)		
<b>Ventilation</b>	Engineering controls should be used as the primary means to control exposures. Good general ventilation should be sufficient to control airborne levels. Local and general ventilation should be used as necessary, when handling this material in bulk.		
<b>Respiratory protection</b>	If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.		
<b>Eye protection</b>	Wear safety glasses or goggles if eye contact is possible.		

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**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION** ... continued

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<b>Skin protection</b>	Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.
<b>Hand protection</b>	Rubber gloves

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Physical form</b>	Paste
<b>Color</b>	Yellow to buff
<b>Molecular weight</b>	Mixture
<b>Molecular formula</b>	Mixture
<b>pH</b>	No data available
<b>Boiling point</b>	No data available
<b>Melting point</b>	No data available
<b>Density</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Water solubility</b>	No data available
<b>Solvent solubility</b>	No data available

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**SECTION 10 - STABILITY AND REACTIVITY**

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<b>Reactivity</b>	Stable
<b>Conditions to avoid</b>	None known
<b>Incompatibilities</b>	Strong oxidizers
<b>Hazardous decomposition products</b>	No data available
<b>Hazardous polymerization</b>	Will not occur

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**SECTION 11 - TOXICOLOGY INFORMATION**

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<b>Toxicology summary</b>	The information included in this section describes the potential hazards of the active ingredient.
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**SECTION 11 - TOXICOLOGY INFORMATION** ... continued

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**Acute toxicity**

<u>Compound</u>	<u>Type</u>	<u>Route</u>	<u>Species</u>	<u>Result</u>
Pyrantel pamoate	LD <sub>50</sub>	Oral	Mouse	> 5000 mg/kg
	LD <sub>50</sub>	Oral	Rat	> 4000 mg/kg
	LD <sub>50</sub>	IP	Mouse	205 mg/kg
	LD <sub>50</sub>	IP	Rat	198 mg/kg

**Eye** No data available

**Skin** No data available

**Inhalation** No data available

**Ingestion** See Acute toxicity table.

**Mutagenicity** Not mutagenic

**Subchronic effects**

In dogs, oral administration of pyrantel pamoate produced occasional diarrhea in all treated animals; emesis, tremors, and liver changes were reported at 250 and 500 mg/kg/day for 1 month. In a 13-week oral toxicity study, dogs showed loose stools or diarrhea and increased liver enzymes at doses of 300 and 600 mg/kg/day.

**Chronic toxicity**

Chronic oral toxicity of pyrantel was conducted in rats and dogs for 2 years using the better absorbed tartrate salt. In rats, depressed weight gain and food consumption, depressed red blood cell parameters, and liver changes were observed at 50 and 200 mg/kg/day. In dogs, signs of toxicity included vomiting, salivation, and relaxation of nictitating membranes were observed at 25 mg/kg/day and higher. A dose-related increase in liver weight was also observed at 25 and 50 mg/kg/day.

**Carcinogen status**

None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

**Reproductive effects**

No evidence of adverse effects on fertility, reproduction or lactation was observed for pyrantel pamoate in rats at oral doses of 25 or 250 mg/kg/day. No maternal toxicity, embryo or fetotoxicity were observed in perinatal and postnatal toxicity study.

**Teratogenicity**

No evidence of teratogenicity or embryotoxicity was observed for pyrantel pamoate in rats and rabbits at oral doses up to 250 mg/kg/day.

**At increased risk from exposure**

Individuals with liver conditions may be more susceptible to the toxicity in cases of overexposure.

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**SECTION 12 - ECOLOGICAL INFORMATION**

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**Environmental overview**

The environmental characteristics of this mixture have not been fully evaluated. Releases to the environment should be avoided.

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**SECTION 13 - DISPOSAL INFORMATION**

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**Disposal procedure**                      Incineration is the recommended method of disposal for this material.  
Observe all local and national regulations when disposing of this material.

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**SECTION 14 - TRANSPORTATION INFORMATION**

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**General shipping instructions**                      Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

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**SECTION 15 - REGULATORY INFORMATION**

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**EU Classification**                      Not classified  
**EU Labelling**                      None required  
**Canadian WHMIS**                      This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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**SECTION 16 - OTHER**

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**Disclaimer**                      **Pfizer Inc believes that the information contained in this Material Safety Data Sheet is accurate, and while it is provided in good faith, it is without a warranty of any kind, expressed or implied.**