

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078404106

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078403908

**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).**

078403841



## MATERIAL SAFETY DATA SHEET

Revision date: 11-Jun-2008

Version: 1.0

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

Pfizer Animal Health  
Pfizer Inc  
235 East 42nd Street  
New York, NY 10017  
Poison Control Center Phone: 1-866-531-8896  
Technical Services Phone: 1-800-366-5288

Pfizer Ltd,  
Kent  
CT13 9NJ  
United Kingdom  
+00 44 (0)1304 616161

Emergency telephone number:  
CHEMTREC (24 hours): 1-800-424-9300  
Contact E-Mail: pfizer-MSDS@pfizer.com

Emergency telephone number:  
ChemSafe (24 hours): +44 (0)208 762 8322

**Material Name: STRONGID C 2X (Pyrantel Tartrate)**

|                  |   |
|------------------|---|
| Trade Name:      | STRONGID  |
| Chemical Family: | Mixture   |
| Intended Use:    | Veterinary product used as anti-worm agent (anthelmintic) |

### 2. HAZARDS IDENTIFICATION

**Appearance:** Granules

**Statement of Hazard:** Non-hazardous in accordance with international standards for workplace safety.

**Additional Hazard Information:**

|             |   |
|-------------|---|
| Short Term: | May be harmful if swallowed. (based on components)  |
| Long Term:  | Repeat-dose studies in animals have shown a potential to cause adverse effects on gastrointestinal system and central nervous system. |

**Known Clinical Effects:** Ingestion of this material may cause effects similar to those seen in clinical use including nausea, vomiting, abdominal cramps, anorexia, diarrhea, and constipation. Occasional, transient changes reported in liver function tests, but no liver damage seen. Central nervous system effects such as dizziness, headache, insomnia, irritability and weakness have also been reported.

**EU Indication of danger:** Not classified

**Australian Hazard Classification (NOHSC):** Non-Hazardous Substance. Non-Dangerous Goods.

**Note:** This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the active substance or its intermediates 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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous**

| Ingredient        | CAS Number | EU EINECS/ELINCS List | Classification | %   |
|-------------------|------------|-----------------------|----------------|-----|
| Pyrantel tartrate | 33401-94-4 | 251-501-8             | Not Listed     | 2.1 |

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

|                      |           |           |            |     |
|----------------------|-----------|-----------|------------|-----|
| Mineral oil, white   | 8042-47-5 | 232-455-8 | Not Listed | *   |
| PROPIONIC ACID ... % | 79-09-4   | 201-176-3 | C;R34      | 0.1 |

| Ingredient                | CAS Number     | EU EINECS/ELINCS List | Classification | % |
|---------------------------|----------------|-----------------------|----------------|---|
| Non-hazardous ingredients | NOT APPLICABLE | Not listed            | Not Listed     | * |

Additional Information: \* Proprietary  
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

For the full text of the R phrases mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

**Eye Contact:** Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

**Skin Contact:** Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

**Ingestion:** Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

**Inhalation:** Remove to fresh air and keep patient at rest. Seek medical attention immediately.

**Symptoms and Effects of Exposure:** For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use carbon dioxide, dry chemical, or water spray.

**Hazardous Combustion Products:** Emits toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides and other sulfur-containing compounds.

**Fire Fighting Procedures:** Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear. Evacuate area and fight fire from a safe distance.

**Fire / Explosion Hazards:** Dust can form an explosive mixture in air. Fine particles (such as dust and mists) may fuel fires/explosions.

### 6. ACCIDENTAL RELEASE MEASURES

**Health and Safety Precautions:** Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

**Measures for Cleaning / Collecting:** Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.

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**Measures for Environmental  
Protections:**

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

**Additional Consideration for Large  
Spills:**

Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

### 7. HANDLING AND STORAGE

**General Handling:**

Minimize dust generation and accumulation. If tablets or capsules are crushed and/or broken, avoid breathing dust and avoid contact with eyes, skin, and clothing. When handling, use appropriate personal protective equipment (see Section 8).

**Storage Conditions:**

Store at room temperature in properly labeled containers. Keep away from heat, sparks and flames.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Pyrantel tartrate

Pfizer OEL TWA-8 Hr: 300µg/m<sup>3</sup>

### PROPIONIC ACID ... %

|                                   |                            |
|-----------------------------------|----------------------------|
| ACGIH Threshold Limit Value (TWA) | = 10 ppm TWA               |
| Australia TWA                     | = 10 ppm TWA               |
|                                   | = 30 mg/m <sup>3</sup> TWA |
| Austria OEL - MAKs                | Listed                     |
| Belgium OEL - TWA                 | Listed                     |
| Bulgaria OEL - TWA                | Listed                     |
| Cyprus OEL - TWA                  | Listed                     |
| Czech Republic OEL - TWA          | Listed                     |
| Denmark OEL - TWA                 | Listed                     |
| Estonia OEL - TWA                 | Listed                     |
| Finland OEL - TWA                 | Listed                     |
| France OEL - TWA                  | Listed                     |
| Greece OEL - TWA                  | Listed                     |
| Hungary OEL - TWA                 | Listed                     |
| Ireland OEL - TWAs                | = 10 ppm TWA               |
|                                   | = 30 mg/m <sup>3</sup> TWA |
| Italy OEL - TWA                   | Listed                     |
| Latvia OEL - TWA                  | Listed                     |
| Lithuania OEL - TWA               | Listed                     |
| Luxembourg OEL - TWA              | Listed                     |
| Malta OEL - TWA                   | Listed                     |
| Netherlands OEL - TWA             | Listed                     |
| Poland OEL - TWA                  | Listed                     |
| Portugal OEL - TWA                | Listed                     |
| Romania OEL - TWA                 | Listed                     |
| Slovenia OEL - TWA                | Listed                     |
| Spain OEL - TWA                   | Listed                     |
| Sweden OEL - TWAs                 | = 10 ppm LLV               |
|                                   | = 30 mg/m <sup>3</sup> LLV |

### Analytical Method:

Analytical method available for Pyrantel Tartrate. Contact Pfizer Inc for further information.

### Engineering Controls:

Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

### Personal Protective Equipment:

Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

### Hands:

Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.

### Eyes:

Wear safety glasses or goggles if eye contact is possible.

### Skin:

Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.

### Respiratory protection:

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.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES:

|                    |          |                   |                    |
|--------------------|----------|-------------------|--------------------|
| Physical State:    | Granules | Color:            | No data available. |
| Molecular Formula: | Mixture  | Molecular Weight: | Mixture            |

### 10. STABILITY AND REACTIVITY

|                         |   |
|-------------------------|---|
| Stability:              | Stable  |
| Conditions to Avoid:    | Not determined  |
| Incompatible Materials: | As a precautionary measure, keep away from strong oxidizers |

### 11. TOXICOLOGICAL INFORMATION

General Information: The information included in this section describes the potential hazards of the individual ingredients.

#### Acute Toxicity: (Species, Route, End Point, Dose)

##### Mineral oil, white

Rat Oral LD50 > 5000 mg/kg

##### Pyrantel tartrate

Rat Oral LD50 170 mg/kg

Mouse Oral LD50 175 mg/kg

#### Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

##### Pyrantel tartrate

13 Week(s) Dog 2 mg/kg/day NOEL Gastrointestinal System

13 Week(s) Rat Oral 12 mg/kg/day NOEL None identified

2 Year(s) Rat Oral 3 mg/kg/day NOEL Blood

2 Year(s) Dog Oral 3 mg/kg/day NOEL Liver

#### Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

##### Pyrantel tartrate

Reproductive & Fertility Rat Oral 30 mg/kg/day NOEL No effects at maximum dose

#### Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

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### Pyrantel tartrate

Bacterial Mutagenicity (Ames) *Salmonella* Negative

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

## 12. ECOLOGICAL INFORMATION

**Environmental Overview:** The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Procedures:** Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

## 14. TRANSPORT INFORMATION

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

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### 15. REGULATORY INFORMATION

EU Indication of danger: Not classified

#### OSHA Label:

Non-hazardous in accordance with international standards for workplace safety.

#### Canada - WHMIS: Classifications

##### WHMIS hazard class:

None required

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.

#### Pyrantel tartrate

EU EINECS/ELINCS List 251-501-8

#### Mineral oil, white

Inventory - United States TSCA - Sect. 8(b) Present

Australia (AICS): Present

EU EINECS/ELINCS List 232-455-8

#### PROPIONIC ACID ... %

CERCLA/SARA Hazardous Substances = 2270 kg final RQ

and their Reportable Quantities: = 5000 lb final RQ

Inventory - United States TSCA - Sect. 8(b) Present

Australia (AICS): Present

Standard for the Uniform Scheduling Schedule 5

for Drugs and Poisons: Schedule 6

EU EINECS/ELINCS List 201-176-3

### 16. OTHER INFORMATION

#### Text of R phrases mentioned in Section 3

R34 - Causes burns.

Data Sources: Publicly available toxicity information. Safety data sheets for individual ingredients.

#### Prepared by:

Toxicology and Hazard Communication  
Pfizer Global Environment, Health, and Safety

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 warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time.

End of Safety Data Sheet

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# MATERIAL SAFETY DATA SHEET



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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

### Product Identifier

**Material Name:** STRONGID C 2X (Pyrantel Tartrate)

**Trade Name:** STRONGID  
**Chemical Family:** Mixture

### Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Intended Use:** Veterinary product used as anti-worm agent (anthelmintic)  
**Restrictions on Use:** Not for human use

### Details of the Supplier of the Safety Data Sheet

Zoetis Inc.  
100 Campus Drive, P.O. Box 651  
Florham Park, New Jersey 07932 (USA)  
Rocky Mountain Poison Control Center Phone: 1-866-531-8896  
Product Support/Technical Services Phone: 1-800-366-5288

Zoetis Belgium S.A.  
Mercuriusstraat 20  
1930 Zaventem  
Belgium

**Emergency telephone number:**  
**CHEMTREC (24 hours):** 1-800-424-9300  
**Contact E-Mail:** VMIPSrecords@zoetis.com

**Emergency telephone number:**  
**International CHEMTREC (24 hours):** +1-703-527-3887

## 2. HAZARDS IDENTIFICATION

**Appearance:** Granules  
**Classification of the Substance or Mixture**  
**GHS - Classification** Not classified as hazardous

**EU Classification:**  
EU Indication of danger: Not classified

### Label Elements

**Hazard Statements:** Not classified in accordance with international standards for workplace safety.

### Other Hazards

**Short Term:** May be harmful if swallowed. (based on components) .  
**Long Term:** Repeat-dose studies in animals have shown a potential to cause adverse effects on gastrointestinal system and central nervous system.  
**Known Clinical Effects:** Ingestion of this material may cause effects similar to those seen in clinical use including nausea, vomiting, abdominal cramps, anorexia, diarrhea, and constipation. Occasional, transient changes reported in liver function tests, but no liver damage seen. Central nervous system effects such as dizziness, headache, insomnia, irritability and weakness have also been reported.

**Australian Hazard Classification (NOHSC):** Non-Hazardous Substance. Non-Dangerous Goods.

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Material Name: **STRONGID C 2X (Pyrantel Tartrate)**  
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**Note:** This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous

| Ingredient           | CAS Number | EU EINECS/ELINCS List | EU Classification | GHS Classification   | %   |
|----------------------|------------|-----------------------|-------------------|----------------------|-----|
| Pyrantel tartrate    | 33401-94-4 | 251-501-8             | Not Listed        | Not Listed           | 2.1 |
| Mineral oil, white   | 8042-47-5  | 232-455-8             | Not Listed        | Not Listed           | *   |
| PROPIONIC ACID ... % | 79-09-4    | 201-176-3             | C; R34            | Skin Corr. 1B (H314) | 0.1 |

| Ingredient                | CAS Number     | EU EINECS/ELINCS List | EU Classification | GHS Classification | % |
|---------------------------|----------------|-----------------------|-------------------|--------------------|---|
| Non-hazardous ingredients | NOT APPLICABLE | Not Listed            | Not Listed        | Not Listed         | * |

**Additional Information:** \* Proprietary  
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

#### Description of First Aid Measures

**Eye Contact:** Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

**Skin Contact:** Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

**Ingestion:** Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

**Inhalation:** Remove to fresh air and keep patient at rest. Seek medical attention immediately.

#### Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms and Effects of Exposure:** For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.

**Medical Conditions Aggravated by Exposure:** None known

#### Indication of the Immediate Medical Attention and Special Treatment Needed

**Notes to Physician:** None

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use carbon dioxide, dry chemical, or water spray.

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### Special Hazards Arising from the Substance or Mixture

**Hazardous Combustion Products:** Emits toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides and other sulfur-containing compounds.

**Fire / Explosion Hazards:** Dust can form an explosive mixture in air. Fine particles (such as dust and mists) may fuel fires/explosions.

### Advice for Fire-Fighters

Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear. Evacuate area and fight fire from a safe distance.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

### Environmental Precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

### Methods and Material for Containment and Cleaning Up

**Measures for Cleaning / Collecting:** Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.

**Additional Consideration for Large Spills:** Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Minimize dust generation and accumulation. If tablets or capsules are crushed and/or broken, avoid breathing dust and avoid contact with eyes, skin, and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

### Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions:** Store at room temperature in properly labeled containers. Keep away from heat, sparks and flames.

**Specific end use(s):** No data available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

Refer to available public information for specific member state Occupational Exposure Limits.

#### Pyrantel tartrate

**Zoetis OEL TWA 8-hr** 300µg/m<sup>3</sup>

#### Mineral oil, white

**ACGIH Threshold Limit Value (TWA)** 5 mg/m<sup>3</sup>  
**ACGIH Threshold Limit Value (STEL)** 10 mg/m<sup>3</sup> (oil mist)

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PROPIONIC ACID ... %

|                                   |                        |
|-----------------------------------|------------------------|
| ACGIH Threshold Limit Value (TWA) | 10 ppm                 |
| Australia TWA                     | 10 ppm                 |
|                                   | 30 mg/m <sup>3</sup>   |
| Austria OEL - MAKs                | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Belgium OEL - TWA                 | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Bulgaria OEL - TWA                | 31.0 mg/m <sup>3</sup> |
|                                   | 10 ppm                 |
| Cyprus OEL - TWA                  | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Czech Republic OEL - TWA          | 30 mg/m <sup>3</sup>   |
| Denmark OEL - TWA                 | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Estonia OEL - TWA                 | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Finland OEL - TWA                 | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| France OEL - TWA                  | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Germany - TRGS 900 - TWAs         | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Germany (DFG) - MAK               | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Greece OEL - TWA                  | 10 ppm                 |
|                                   | 30 mg/m <sup>3</sup>   |
| Hungary OEL - TWA                 | 31 mg/m <sup>3</sup>   |
| Ireland OEL - TWAs                | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Italy OEL - TWA                   | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Latvia OEL - TWA                  | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Lithuania OEL - TWA               | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Luxembourg OEL - TWA              | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Malta OEL - TWA                   | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Netherlands OEL - TWA             | 31 mg/m <sup>3</sup>   |
| Poland OEL - TWA                  | 30 mg/m <sup>3</sup>   |
| Portugal OEL - TWA                | 10 ppm                 |
| Romania OEL - TWA                 | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Slovakia OEL - TWA                | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Slovenia OEL - TWA                | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |
| Spain OEL - TWA                   | 10 ppm                 |
|                                   | 31 mg/m <sup>3</sup>   |

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                       |                                |
|-----------------------|--------------------------------|
| Sweden OEL - TWAs     | 10 ppm<br>30 mg/m <sup>3</sup> |
| Switzerland OEL -TWAs | 10 ppm<br>30 mg/m <sup>3</sup> |

|                                       |  |
|---------------------------------------|--|
| <b>Analytical Method:</b>             | Analytical method available for Pyrantel Tartrate. Contact Pfizer Inc for further information.   |
| <b>Exposure Controls</b>              |  |
| <b>Engineering Controls:</b>          | Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section. |
| <b>Personal Protective Equipment:</b> | Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).  |
| <b>Hands:</b>                         | Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.  |
| <b>Eyes:</b>                          | Wear safety glasses or goggles if eye contact is possible.   |
| <b>Skin:</b>                          | Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.  |
| <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.   |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                    |                          |                    |
|---|--------------------|--------------------------|--------------------|
| <b>Physical State:</b>                                      | Granules           | <b>Color:</b>            | No data available. |
| <b>Odor:</b>  | No data available. | <b>Odor Threshold:</b>   | No data available. |
| <b>Molecular Formula:</b>                                   | Mixture            | <b>Molecular Weight:</b> | Mixture            |
| <b>Solvent Solubility:</b>                                  | No data available  |                          |                    |
| <b>Water Solubility:</b>                                    | No data available  |                          |                    |
| <b>pH:</b>  | No data available. |                          |                    |
| <b>Melting/Freezing Point (°C):</b>                         | No data available  |                          |                    |
| <b>Boiling Point (°C):</b>                                  | No data available. |                          |                    |
| <b>Partition Coefficient: (Method, pH, Endpoint, Value)</b> |                    |                          |                    |
| No data available   |                    |                          |                    |
| <b>Decomposition Temperature (°C):</b>                      | No data available. |                          |                    |
| <b>Evaporation Rate (Gram/s):</b>                           | No data available  |                          |                    |
| <b>Vapor Pressure (kPa):</b>                                | No data available  |                          |                    |
| <b>Vapor Density (g/ml):</b>                                | No data available  |                          |                    |
| <b>Relative Density:</b>                                    | No data available  |                          |                    |
| <b>Viscosity:</b>   | No data available  |                          |                    |
| <b>Flammability:</b>  |                    |                          |                    |
| <b>Autoignition Temperature (Solid) (°C):</b>               | No data available  |                          |                    |
| <b>Flammability (Solids):</b>                               | No data available  |                          |                    |
| <b>Flash Point (Liquid) (°C):</b>                           | No data available  |                          |                    |
| <b>Upper Explosive Limits (Liquid) (% by Vol.):</b>         | No data available  |                          |                    |
| <b>Lower Explosive Limits (Liquid) (% by Vol.):</b>         | No data available  |                          |                    |

### 10. STABILITY AND REACTIVITY

|                            |                   |
|----------------------------|-------------------|
| <b>Reactivity:</b>         | No data available |
| <b>Chemical Stability:</b> | Stable            |

## MATERIAL SAFETY DATA SHEET

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### 10. STABILITY AND REACTIVITY

#### Possibility of Hazardous Reactions

|  |   |
|--|---|
| <b>Oxidizing Properties:</b>             | None  |
| <b>Conditions to Avoid:</b>              | Not determined  |
| <b>Incompatible Materials:</b>           | As a precautionary measure, keep away from strong oxidizers |
| <b>Hazardous Decomposition Products:</b> | No data available   |

### 11. TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects

**General Information:** The information included in this section describes the potential hazards of the individual ingredients.

#### Acute Toxicity: (Species, Route, End Point, Dose)

##### Mineral oil, white

Rat Oral LD50 > 5000 mg/kg

##### Pyrantel tartrate

Rat Oral LD50 170 mg/kg

Mouse Oral LD50 175mg/kg

##### Mineral oil, white

Skin Irritation Rabbit Slight

Eye Irritation Rabbit Slight

#### Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

##### Pyrantel tartrate

13 Week(s) Dog 2 mg/kg/day NOAEL Gastrointestinal System

13 Week(s) Rat Oral 12 mg/kg/day NOEL None identified

2 Year(s) Rat Oral 3 mg/kg/day NOEL Blood

2 Year(s) Dog Oral 3 mg/kg/day NOEL Liver

#### Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

##### Pyrantel tartrate

Reproductive & Fertility Rat Oral 30 mg/kg/day NOEL No effects at maximum dose

#### Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

##### Pyrantel tartrate

Bacterial Mutagenicity (Ames) *Salmonella* Negative

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

## MATERIAL SAFETY DATA SHEET

Material Name: **STRONGID C 2X (Pyrantel Tartrate)**  
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### 12. ECOLOGICAL INFORMATION

|                                       |  |
|---------------------------------------|--|
| <b>Environmental Overview:</b>        | The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided. |
| <b>Toxicity:</b>                      | No data available  |
| <b>Persistence and Degradability:</b> | No data available  |
| <b>Bio-accumulative Potential:</b>    | No data available  |
| <b>Mobility in Soil:</b>              | No data available  |

### 13. DISPOSAL CONSIDERATIONS

|                                 |   |
|---------------------------------|---|
| <b>Waste Treatment Methods:</b> | Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. |
|---------------------------------|---|

### 14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

### 15. REGULATORY INFORMATION

**Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

**Canada - WHMIS: Classifications**

**WHMIS hazard class:**

None required

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.

**Pyrantel tartrate**

**CERCLA/SARA 313 Emission reporting**  
**California Proposition 65**

Not Listed  
Not Listed



## MATERIAL SAFETY DATA SHEET

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### 15. REGULATORY INFORMATION

EU EINECS/ELINCS List 251-501-8

#### Mineral oil, white

|   |            |
|---|------------|
| CERCLA/SARA 313 Emission reporting          | Not Listed |
| California Proposition 65                   | Not Listed |
| Inventory - United States TSCA - Sect. 8(b) | Present    |
| Australia (AICS):                           | Present    |
| EU EINECS/ELINCS List                       | 232-455-8  |

#### Non-hazardous ingredients

|                                    |            |
|------------------------------------|------------|
| CERCLA/SARA 313 Emission reporting | Not Listed |
| California Proposition 65          | Not Listed |
| EU EINECS/ELINCS List              | Not Listed |

#### PROPIONIC ACID ... %

|   |                          |
|---|--------------------------|
| CERCLA/SARA 313 Emission reporting                                | Not Listed               |
| CERCLA/SARA Hazardous Substances and their Reportable Quantities: | 5000 lb<br>2270 kg       |
| California Proposition 65   | Not Listed               |
| Inventory - United States TSCA - Sect. 8(b)                       | Present                  |
| Australia (AICS):   | Present                  |
| Standard for the Uniform Scheduling for Drugs and Poisons:        | Schedule 5<br>Schedule 6 |
| EU EINECS/ELINCS List   | 201-176-3                |

### 16. OTHER INFORMATION

#### Text of R phrases and GHS Classification abbreviations mentioned in Section 3

Skin corrosion/irritation-Cat.1B; H314 - Causes severe skin burns and eye damage

C - Corrosive

R34 - Causes burns.

#### Data Sources:

The data contained in this MSDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.

#### Reasons for Revision:

Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking.  
Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Ingredients. Updated Section 7 - Handling and Storage.

#### Prepared by:

Toxicology and Hazard Communication  
Zoetis Global Risk Management

Zoetis 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 warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time.

**End of Safety Data Sheet**