

**1. Identification**

|                                                               |                                                                                               |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Product identifier</b>                                     | <b>Aureomycin® 220G</b>                                                                       |
| <b>Other means of identification</b>                          |                                                                                               |
| <b>Synonyms</b>                                               | AUREOMYCIN 220G * Aureomycin® 220 G                                                           |
| <b>Recommended use</b>                                        | Veterinary product ( Feed additive )                                                          |
| <b>Recommended restrictions</b>                               | Not for human use                                                                             |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |                                                                                               |
| <b>Company Name (USA)</b>                                     | Zoetis Inc.<br>10 Sylvan Way<br>Parsippany, New Jersey 07054 (USA)                            |
| <b>Rocky Mountain Poison and Drug Center</b>                  | 1-866-531-8896                                                                                |
| <b>Product Support/Technical Services</b>                     | 1-800-366-5288                                                                                |
| <b>Emergency telephone numbers</b>                            | CHEMTREC (24 hours): 1-800-424-9300<br><br>International CHEMTREC (24 hours): +1-703-527-3887 |
| <b>Company Name (CA)</b>                                      | Zoetis Canada Inc.<br>16740 Trans-Canada Highway<br>Kirkland, Quebec, H9H 4M7                 |
| <b>Emergency telephone number</b>                             | International CHEMTREC (24 hours): +1-703-527-3887                                            |
| <b>Contact E-Mail</b>                                         | productsupport@zoetis.com                                                                     |
| <b>Product Support</b>                                        | 1-800-461-0917                                                                                |

All Safety Data Sheets are available via our Zoetis Canada website at <https://www.zoetis.ca/sds/sds.aspx>

**Supplier** Not available.

**2. Hazard(s) identification**

|                              |                                          |             |
|------------------------------|------------------------------------------|-------------|
| <b>Physical hazards</b>      | Combustible dusts                        | Category 1  |
| <b>Health hazards</b>        | Carcinogenicity                          | Category 1A |
|                              | Reproductive toxicity (the unborn child) | Category 1A |
| <b>Environmental hazards</b> | Not classified.                          |             |

**Label elements**

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>             | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Hazard statement</b>        | May cause cancer. May damage the unborn child. May form combustible dust concentrations in air.                                                                                                                                                                                                                                                                                                                                       |
| <b>Precautionary statement</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Prevention</b>              | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Prevent dust accumulation to minimize explosion hazard. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. |

|                                 |                                                                                                                                                        |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Response</b>                 | IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use appropriate media for extinction. |
| <b>Storage</b>                  | Store locked up.                                                                                                                                       |
| <b>Disposal</b>                 | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                    |
| <b>Other hazards</b>            | None known.                                                                                                                                            |
| <b>Supplemental information</b> | Exposure to sunlight following contact may result in skin reactions in rare instances.                                                                 |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                   | Common name and synonyms | CAS number | %   |
|---------------------------------|--------------------------|------------|-----|
| Chlortetracycline Hydrochloride |                          | 64-72-2    | 22  |
| Oil, Mineral                    |                          | 8012-95-1  | 2-5 |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Move to fresh air. Call a physician if symptoms develop or persist. For breathing difficulties, oxygen may be necessary.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Skin contact</b>                                                           | Wash off with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Eye contact</b>                                                            | Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Ingestion</b>                                                              | Rinse mouth. Get medical advice/attention if you feel unwell. If ingestion of a large amount does occur, call a poison control centre immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Dusts may irritate the respiratory tract, skin and eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Coughing. Individuals sensitive to this chemical or other materials in its chemical class may develop allergic reactions. Dermatitis. Rash. Symptoms of chronic exposure to tetracyclines include redness and swelling of the skin, rash, chills, tooth discoloration, yellowing of the skin and eyes, nausea, vomiting, diarrhea, stomach pain, and chest pain. The most common adverse effects reported with clinical use were diarrhea, nausea, rash, and vomiting. |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>General information</b>                                                    | IF exposed or concerned: Get medical advice/attention. For personal protection, see section 8 of the SDS. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.                                                                                                                                                                                                                                                                                                                      |

### 5. Fire-fighting measures

|                                                                      |                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). Apply extinguishing media carefully to avoid creating airborne dust. Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture. |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                                                                                                                                                                                |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed. Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.                |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.                                                                                                                                                         |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.                                                                                                                                  |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.                                                                                                                                                            |
| <b>General fire hazards</b>                                          | May form combustible dust concentrations in air. Fine particles (such as mists) may fuel fires/explosions.                                                                                                                                            |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Ground container and transfer equipment to eliminate static electric sparks. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid inhalation of dust. Wear appropriate protective equipment and clothing during clean-up. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Stop the flow of material, if this is without risk. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Large Spills: Absorb in vermiculite, dry sand or earth and place into containers. Clean surface thoroughly to remove residual contamination.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

### Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Minimise dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Provide appropriate exhaust ventilation at places where dust is formed. Ground/bond container and receiving equipment. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Wear personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Avoid release to the environment.

### Conditions for safe storage, including any incompatibilities

Store locked up. Store in a well-ventilated place. Keep container tightly closed and dry. Store at room temperature. Store away from direct sunlight. Keep away from heat and sources of ignition. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### Zoetis

#### Components

Chlortetracycline  
Hydrochloride (CAS  
64-72-2)

#### Type

TWA

#### Value

0.5 mg/m3

#### US. ACGIH Threshold Limit Values

#### Components

Oil, Mineral (CAS  
8012-95-1)

#### Type

TWA

#### Value

5 mg/m3

#### Form

Inhalable fraction.

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

#### Components

Oil, Mineral (CAS  
8012-95-1)

#### Type

STEL

#### Value

10 mg/m3

#### Form

Mist.

TWA

5 mg/m3

Mist.

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

#### Components

Oil, Mineral (CAS  
8012-95-1)

#### Type

TWA

#### Value

5 mg/m3

#### Form

Inhalable fraction.

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components                   | Type | Value   | Form                |
|------------------------------|------|---------|---------------------|
| Oil, Mineral (CAS 8012-95-1) | TWA  | 5 mg/m3 | Inhalable fraction. |

**Canada. Quebec OELs. (Ministry of Labour - Regulation Respecting the Quality of the Work Environment)**

| Components                   | Type | Value    | Form  |
|------------------------------|------|----------|-------|
| Oil, Mineral (CAS 8012-95-1) | STEL | 10 mg/m3 | Mist. |
|                              | TWA  | 5 mg/m3  | Mist. |

|                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological limit values</b>                                               | No biological exposure limits noted for the ingredient(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Control banding approach</b>                                              | Not available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL (occupational exposure limit), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. |
| <b>Individual protection measures, such as personal protective equipment</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Eye/face protection</b>                                                   | Wear safety glasses or goggles if eye contact is possible.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Skin protection</b>                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Hand protection</b>                                                       | Wear appropriate chemical resistant gloves. Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Other</b>                                                                 | Wear appropriate chemical resistant clothing. Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Respiratory protection</b>                                                | In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection should be provided in instances where exposure to dust, mists, aerosols or vapors are likely. 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>Thermal hazards</b>                                                       | Wear appropriate thermal protective clothing, when necessary.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>General hygiene considerations</b>                                        | Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**9. Physical and chemical properties**

|                                                     |                 |
|-----------------------------------------------------|-----------------|
| <b>Appearance</b>                                   | Granular solid. |
| <b>Physical state</b>                               | Solid.          |
| <b>Form</b>                                         | Powder.         |
| <b>Colour</b>                                       | Brown.          |
| <b>Odour</b>                                        | Not available.  |
| <b>Odour threshold</b>                              | Not available.  |
| <b>pH</b>                                           | Not available.  |
| <b>Melting point/freezing point</b>                 | Not available.  |
| <b>Initial boiling point and boiling range</b>      | Not available.  |
| <b>Flash point</b>                                  | Not available.  |
| <b>Evaporation rate</b>                             | Not available.  |
| <b>Flammability (solid, gas)</b>                    | Not available.  |
| <b>Upper/lower flammability or explosive limits</b> |                 |
| <b>Flammability limit - lower (%)</b>               | Not available.  |
| <b>Flammability limit - upper (%)</b>               | Not available.  |
| <b>Explosive limit - lower (%)</b>                  | Not available.  |

|                                                |                |
|------------------------------------------------|----------------|
| <b>Explosive limit – upper (%)</b>             | Not available. |
| <b>Vapour pressure</b>                         | Not available. |
| <b>Vapour density</b>                          | Not available. |
| <b>Relative density</b>                        | Not available. |
| <b>Solubility(ies)</b>                         |                |
| <b>Solubility (water)</b>                      | Not available. |
| <b>Partition coefficient (n-octanol/water)</b> | Not available. |
| <b>Auto-ignition temperature</b>               | Not available. |
| <b>Decomposition temperature</b>               | Not available. |
| <b>Viscosity</b>                               | Not available. |
| <b>Other information</b>                       |                |
| <b>Explosive properties</b>                    | Not explosive. |
| <b>Oxidising properties</b>                    | Not oxidising. |

## 10. Stability and reactivity

|                                           |                                                                                                                                                                                                                                                                     |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.                                                                                                                                                                       |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.                                                                                                                                                                                                                         |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                                                                                                                                                                                         |
| <b>Conditions to avoid</b>                | Contact with incompatible materials. Keep away from heat, spark, open flames and other sources of ignition. Minimise dust generation and accumulation. Dust may form explosive mixture with air. Fine particles (such as dust and mists) may fuel fires/explosions. |
| <b>Incompatible materials</b>             | Strong oxidising agents. Aluminium. Phosphorus.                                                                                                                                                                                                                     |
| <b>Hazardous decomposition products</b>   | Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Carbon oxides. Nitrogen oxides (NOx). May include hydrogen chloride.                                                                                                       |

## 11. Toxicological information

### Information on likely routes of exposure

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                                   | Dust may irritate respiratory system. Prolonged inhalation may be harmful.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Skin contact</b>                                                                 | Dust or powder may irritate the skin. Photosensitivity may occur. Exposure to sunlight following contact may result in skin reactions in rare instances.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Oil, Mineral                                                                        | Species: Rabbit<br>Severity: Mild                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Eye contact</b>                                                                  | Dust may irritate the eyes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Oil, Mineral                                                                        | Species: Rabbit<br>Severity: Moderate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Ingestion</b>                                                                    | May cause effects similar to those generally seen in clinical use of tetracyclines including gastrointestinal irritation, nausea, vomiting, and diarrhea. However, ingestion is not likely to be a primary route of occupational exposure.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Dusts may irritate the respiratory tract, skin and eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Coughing. Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. Dermatitis. Rash. Symptoms of chronic exposure to tetracyclines include redness and swelling of the skin, rash, chills, tooth discoloration, yellowing of the skin and eyes, nausea, vomiting, diarrhea, stomach pain, and chest pain. The most common adverse effects reported with clinical use were diarrhea, nausea, rash, and vomiting. |

### Information on toxicological effects

|                       |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|
| <b>Acute toxicity</b> | Expected to be a low hazard for usual industrial or commercial handling by trained personnel. |
|-----------------------|-----------------------------------------------------------------------------------------------|

| Components                                    | Species | Test results |
|-----------------------------------------------|---------|--------------|
| Chlortetracycline Hydrochloride (CAS 64-72-2) |         |              |
| <b>Acute</b>                                  |         |              |
| <b>Oral</b>                                   |         |              |
| LD50                                          | Mouse   | 2314 mg/kg   |

| Components                                                                                         | Species                                                                                                                                                                                                                                                                                      | Test results |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
|                                                                                                    | Rat                                                                                                                                                                                                                                                                                          | > 3000 mg/kg |
| <b>Skin corrosion/irritation</b>                                                                   | Prolonged skin contact may cause temporary irritation.                                                                                                                                                                                                                                       |              |
| <b>Serious eye damage/eye irritation</b>                                                           | Direct contact with eyes may cause temporary irritation.                                                                                                                                                                                                                                     |              |
| <b>Eye contact</b><br>Oil, Mineral                                                                 | Species: Rabbit<br>Severity: Moderate                                                                                                                                                                                                                                                        |              |
| <b>Respiratory or skin sensitisation</b>                                                           |                                                                                                                                                                                                                                                                                              |              |
| <b>Respiratory sensitisation</b>                                                                   | Not a respiratory sensitizer.                                                                                                                                                                                                                                                                |              |
| <b>Skin sensitisation</b>                                                                          | This product is not expected to cause skin sensitisation. Photosensitivity manifested by an exaggerated sunburn reaction has been observed in some individuals taking tetracyclines.                                                                                                         |              |
| <b>Germ cell mutagenicity</b>                                                                      | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.                                                                                                                                                                             |              |
| <b>Carcinogenicity</b>                                                                             | May cause cancer.                                                                                                                                                                                                                                                                            |              |
| <b>ACGIH Carcinogens</b><br>Oil, Mineral (CAS 8012-95-1)                                           | A2 Suspected human carcinogen.<br>A4 Not classifiable as a human carcinogen.                                                                                                                                                                                                                 |              |
| <b>Canada - Manitoba OELs: carcinogenicity</b><br>Oil, Mineral (CAS 8012-95-1)                     | Not classifiable as a human carcinogen.<br>Suspected human carcinogen.                                                                                                                                                                                                                       |              |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b><br>Oil, Mineral (CAS 8012-95-1) | Known To Be Human Carcinogen.                                                                                                                                                                                                                                                                |              |
| <b>Reproductive toxicity</b>                                                                       | May damage the unborn child.                                                                                                                                                                                                                                                                 |              |
| <b>Developmental effects</b><br>Chlortetracycline Hydrochloride                                    | 150 mg/kg/day Fertility and Embryonic Development, (data for Tetracycline Hydrochloride)<br>Result: LOAEL<br>Species: Mouse<br>Organ: Intraperitoneal<br>Severity: Development toxicity                                                                                                      |              |
|                                                                                                    | 240 mg/kg/day Fertility and Embryonic Development, (data for Tetracycline Hydrochloride)<br>Result: LOAEL<br>Species: Rat<br>Organ: Intramuscular<br>Severity: Fetotoxicity                                                                                                                  |              |
|                                                                                                    | 240 mg/kg/day Fertility and Embryonic Development, (data for Tetracycline Hydrochloride)<br>Result: LOAEL<br>Species: Rat<br>Organ: Subcutaneous<br>Severity: Embryotoxicity                                                                                                                 |              |
| <b>Specific target organ toxicity - single exposure</b>                                            | Not classified.                                                                                                                                                                                                                                                                              |              |
| <b>Specific target organ toxicity - repeated exposure</b>                                          | Based on available data, the classification criteria are not met. This product may affect Kidneys through prolonged or repeated exposure.                                                                                                                                                    |              |
| <b>Aspiration hazard</b>                                                                           | Not an aspiration hazard.                                                                                                                                                                                                                                                                    |              |
| <b>Chronic effects</b>                                                                             | Prolonged inhalation may be harmful.                                                                                                                                                                                                                                                         |              |
| <b>Further information</b>                                                                         | High doses of tetracyclines can cause a liver condition known as fatty liver. Individuals who suffer from high cholesterol, high triglycerides, or have alcoholic liver disease may be more susceptible. May produce kidney toxicity if kidney damage already exists (based on animal data). |              |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Avoid release to the environment.

| Components                                    | Species                                                                                                                                                                                 | Test results                                                      |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Chlortetracycline Hydrochloride (CAS 64-72-2) |                                                                                                                                                                                         |                                                                   |
| <i>Acute</i>                                  | EC50                                                                                                                                                                                    | Daphnia magna (Water Flea) > 541.1 mg/l, 48 Hours                 |
|                                               |                                                                                                                                                                                         | Pseudokirchneriella subcapitata (Green Alga) 0.095 mg/l, 72 Hours |
|                                               | LC50                                                                                                                                                                                    | Oncorhynchus mykiss (Rainbow Trout) 59.5 mg/l, 96 Hours           |
| <i>Chronic</i>                                | NOEC                                                                                                                                                                                    | Eisenia foetida (Earthworm) 1000 mg/kg, 56 Days                   |
|                                               |                                                                                                                                                                                         |                                                                   |
| <b>Persistence and degradability</b>          | No data is available on the degradability of this product.                                                                                                                              |                                                                   |
| <b>Bioaccumulative potential</b>              | No data available.                                                                                                                                                                      |                                                                   |
| <b>Mobility in soil</b>                       | No data available.                                                                                                                                                                      |                                                                   |
| <b>Other adverse effects</b>                  | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |                                                                   |

## 13. Disposal considerations

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Avoid release to the environment. Do not allow this material to drain into sewers/water supplies. 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. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Hazardous waste code</b>                  | None known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## 14. Transport information

### TDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

### Controlled Drugs and Substances Act

Not regulated.

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Precursor Control Regulations

Not regulated.

## International regulations

### Stockholm Convention

Not applicable.

### Rotterdam Convention

Not applicable.

### Kyoto protocol

Not applicable.

### Montreal Protocol

Not applicable.

### Basel Convention

Not applicable.

## International Inventories

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                         | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                       | Existing Chemicals List (ECL)                                          | No                     |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | No                     |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**Issue date** 04-June-2017

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**Disclaimer** Zoetis Inc. believes that the information contained in this 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. The information in the sheet was written based on the best knowledge and experience currently available.

**Revision information** Product and Company Identification: Synonyms  
Composition / Information on Ingredients: Ingredients  
GHS: Classification