SAFETY DATA SHEET

1. Identification
   Product identifier         Gromax®
   Other means of identification
   Synonyms                  GROMAX * Maduramicin (CYGRO) * Nicarbazin (CYCARB)
   Recommended use of the chemical and restrictions on use
   Recommended use           Veterinary product used for coccidiosis (Feed additive)
   Restrictions on use       Not for human use

Details of manufacturer or importer
   Company Name (AU)         Zoetis Australia Pty Ltd
                               ABN 94 156 476 425
                               Level 6, 5 Rider Boulevard
                               Rhodes NSW 2138 AUSTRALIA
   Tel                      1800 814 883
   Fax                      (02) 8876 0444
   Email                    australia.animalhealth@zoetis.com
   Emergency Phone          1800 814 883 (all hours)
   Police and Fire Brigade  Dial 000
   If ineffective           Dial Poisons Information Centre (13 1126 from anywhere in Australia)

2. Hazard(s) identification
   Classification of the hazardous chemical
   Physical hazards         Not classified.
   Health hazards           Serious eye damage/eye irritation Category 2A
   Environmental hazards    Hazardous to the aquatic environment, acute hazard Category 3

Label elements, including precautionary statements
   Hazard symbol(s)
   Exclamation mark
   Signal word              Warning
   Hazard statement(s)      Causes serious eye irritation. Harmful to aquatic life.
   Precautionary statement(s)
   Prevention
   Response
   IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
   Storage
   Dispose
   Dispose of contents/container in accordance with local/regional/national/international regulations.
   Other hazards which do not result in classification
   May form combustible dust concentrations in air.
   Supplemental information
   May be absorbed through the skin and cause systemic effects. May cause slight skin irritation.

3. Composition/information on ingredients
   Mixture
   Material name: Gromax®
   SDS AUSTRALIA
   339
### 4. First-aid measures

**Description of necessary first aid measures**

**Inhalation**
Move to fresh air. Call a physician if symptoms develop or persist. For breathing difficulties, oxygen may be necessary.

**Skin contact**
Remove contaminated clothing. Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact**
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.

**Ingestion**
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.

**Personal protection for first-aid responders**
Dusts may irritate the respiratory tract, skin and eyes. Coughing. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation.

**Symptoms caused by exposure**
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**Medical attention and special treatment**

---

### 5. Fire-fighting measures

**Extinguishing media**
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid creating airborne dust. Avoid high pressure media which could cause the formation of a potentially exploisible dust-air mixture.

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**
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.

**Special protective equipment and precautions for fire fighters**
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions**
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

**Hazchem Code**
None.

**General fire hazards**
May form combustible dust concentrations in air.

**Specific methods**
Use standard firefighting procedures and consider the hazards of other involved materials.

---

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**
Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained.

**For emergency responders**
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Remove all possible sources of ignition in the surrounding area. Wear appropriate protective equipment and clothing during clean-up. Avoid the generation of dusts during clean-up. Avoid inhalation of dust from the spilled material. Avoid contact with eyes, skin, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8 of the SDS.

**Environmental precautions**
Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
Methods and materials for containment and cleaning up

Ensure adequate ventilation. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid the generation of dusts during clean-up. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Put material in suitable, covered, labeled 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.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling

Use only with adequate ventilation. 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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Provide appropriate exhaust ventilation at places where dust is formed. 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

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Do not store in direct sunlight. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls and personal protection

Control parameters

Follow standard monitoring procedures.

Occupational exposure limits

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol (CAS 100-51-6)</td>
<td>TWA</td>
<td>22 mg/m3</td>
<td>Vapor and aerosol.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 ppm</td>
<td>Vapor and aerosol.</td>
</tr>
</tbody>
</table>

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

No exposure standards allocated.

Control banding approach

Nicarbazin: Zoetis OEB 1 (control exposure to the range of 1000 ug/m3 to 3000 ug/m3)

Maduramicin Ammonium: Zoetis OEB 3 - Skin, Severe Eye Irritant (control exposure to the range of 10ug/m3 to < 100ug/m3, provide additional precautions to protect from skin contact)

Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Keep air contamination levels below the exposure limits or within the OEB range listed above in this section. 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.

Individual protection measures, for example personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Other

Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas. Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.
Respiratory protection

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 airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL (occupational exposure limit), suitable respiratory protection must be worn. Chemical respirator with organic vapour cartridge, full facepiece, dust and mist filter.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

When using, do not eat, drink or smoke. 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

Appearance

Powder.

Physical state

Solid.

Form

Powder.

Colour

Yellow - Brown.

Odour

None.

Odour threshold

Not available.

pH

Not available.

Melting point/freezing point

265 - 267 °C (509 - 512.6 °F)

Initial boiling point and boiling range

Not available.

Flash point

Not available.

Evaporation rate

Not available.

Flammability (solid, gas)

Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

Not available.

Flammability limit - upper (%)

Not available.

Explosive limit - lower (%)

Not available.

Explosive limit – upper (%)

Not available.

Vapour pressure

Not available.

Vapour density

Not available.

Relative density

Not available.

Solubility(ies)

Solubility (water)

Not available.

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

Not available.

Decomposition temperature

Not available.

Viscosity

Not available.

Other physical and chemical parameters

Explosive properties

Not explosive.

Oxidising properties

Not oxidising.

10. Stability and reactivity

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.
Conditions to avoid
Contact with incompatible materials. Sunlight. Avoid dispersion as a dust cloud. Minimise dust generation and accumulation. Keep away from heat, spark, open flames and other sources of ignition.

Incompatible materials
Strong oxidising agents.

Hazardous decomposition products
Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

11. Toxicological information

Information on possible routes of exposure

Inhalation
Dust may irritate respiratory system. Prolonged inhalation may be harmful.

Skin contact
Dust or powder may irritate the skin. May be absorbed through the skin and cause systemic effects.

Benzyl alcohol
Species: Guinea Pig
Severity: Moderate

Maduramicin Ammonium
Species: Rabbit
Severity: Irritant

Benzyl alcohol
Species: Rabbit
Severity: Minimal

Eye contact
Causes serious eye irritation.

Nicarbazin
Result: Irritant
Species: Rabbit

Maduramicin Ammonium
Species: Rabbit
Severity: Severe irritant

Benzyl alcohol
Species: Rabbit
Severity: Severe

Ingestion
May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to exposure
Dusts may irritate the respiratory tract, skin and eyes. Coughing. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation.

Acute toxicity
May be harmful if swallowed.

Product | Species | Test results
---|---|---
Gromax® | | |
**Acute** | | |
**Dermal** | | |
ATE | | 8333 mg/kg

**Oral** | | |
ATE | | 4167 mg/kg

**Components** | | |
Benzyl alcohol (CAS 100-51-6) | | |
**Acute** | | |
**Dermal** | | |
LD50 | Rabbit | 2000 mg/kg

**Inhalation** | | |
LC50 | Rat | > 4.178 mg/l
1000 mg/l, 8 Hours

**Oral** | | |
LD50 | Mouse | 1580 mg/kg
Rat | 1230 mg/kg
<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maduramicin Ammonium (CAS 84878-61-5)</td>
<td></td>
<td>Acute</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dermal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50 Rat 71 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oral</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD50 Rat 35 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chronic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oral</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOAEL Dog 12 mg/kg/day, 28 days (Target organs: None identified)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mouse &gt; 5 mg/kg/day, 2 years (Not carcinogenic)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rat &gt; 8 mg/kg/day, 28 days (No effects at maximum dose)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 mg/kg/day, 90 days (Target organs: None identified)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 mg/kg/day, 2 years (Not carcinogenic; Target organs: Thyroid)</td>
</tr>
<tr>
<td>Nicarbazin (CAS 330-95-0)</td>
<td></td>
<td>Chronic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oral</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOAEL Dog 240 mg/kg/day, 2 years (Target organs: liver)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rat 400 mg/kg/day, 2 years (Highest dose tested)</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td></td>
<td>Prolonged skin contact may cause temporary irritation.</td>
</tr>
<tr>
<td>Corrosivity</td>
<td></td>
<td>Maduramicin Ammonium Species: Rabbit Severity: Irritant</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td></td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Eye contact</td>
<td></td>
<td>Nicarbazin Result: Irritant Species: Rabbit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maduramicin Ammonium Species: Rabbit Severity: Severe irritant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Benzyl alcohol Species: Rabbit Severity: Severe</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td></td>
<td>Not a respiratory sensitizer.</td>
</tr>
<tr>
<td>Respiratory sensitisation</td>
<td></td>
<td>This product is not expected to cause skin sensitisation.</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td></td>
<td>No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td></td>
<td>Maduramicin Ammonium In Vitro Chromosome Aberration Result: negative Species: Chinese Hamster Ovary (CHO) cells</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In Vitro Chromosome Aberration Result: negative Species: Human lymphocytes</td>
</tr>
</tbody>
</table>
**Mutagenicity**
Maduramicin Ammonium
- In Vitro HGPRT Forward Gene Mutation Assay
  - Result: negative
  - Species: Rat Hepatocyte
- In Vitro Unscheduled DNA Synthesis
  - Result: negative
  - Species: Rat Hepatocyte
- In Vivo Direct DNA Damage
  - Result: negative
  - Species: Rat

**Carcinogenicity**
Due to partial or complete lack of data the classification is not possible.

**Reproductive toxicity**
This product is not expected to cause reproductive or developmental effects.

### Developmental effects

**Maduramicin Ammonium**
- 0.2 mg/kg/day Embryo / Fetal Development, (No effects at maximum dose)
  - Result: NOAEL
  - Species: Rabbit
  - Organ: Oral
- 1 mg/kg/day Embryo / Fetal Development, (Maternal Toxicity)
  - Result: NOAEL
  - Species: Rat
  - Organ: Oral

**Nicarbazin**
- 200 mg/kg/day Embryo/Fetal Development, (Maternal toxicity, Fetal toxicity)
  - Result: NOAEL
  - Species: Rat
  - Organ: Oral

### Reproductivity

**Maduramicin Ammonium**
- 1 mg/kg/day 2 Generation Reproductive Toxicity, (Neonatal toxicity)
  - Result: NOAEL
  - Species: Rat
  - Organ: Oral

**Nicarbazin**
- 400 mg/kg/day 2-generation, (No significant effects at highest dose tested)
  - Result: NOAEL
  - Species: Rat
  - Organ: Oral

**Specific target organ toxicity - single exposure**
Not classified.

**Specific target organ toxicity - repeated exposure**
Not classified.

**Aspiration hazard**
Not an aspiration hazard.

**Chronic effects**
Prolonged inhalation may be harmful.

### 12. Ecological information

**Ecotoxicity**
Harmful to aquatic life. Avoid release to the environment.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol (CAS 100-51-6)</td>
<td>EC50</td>
<td>230 mg/l, 48 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>66 mg/l, 21 day(s) Toxicity for reproduction</td>
</tr>
<tr>
<td></td>
<td>Daphnia magna (Water Flea)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pseudokirchneriella subcapitata (Green Alga)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500 mg/l, 72 Hours</td>
</tr>
<tr>
<td>Components</td>
<td>Species</td>
<td>Test results</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>Pimephales promelas (Fathead Minnow)</td>
<td>LC50 460 mg/l, 96 Hours</td>
</tr>
<tr>
<td>Maduramicin Ammonium (CAS 84878-61-5)</td>
<td>Bluegill (Lepomis macrochirus)</td>
<td>LC50 10 mg/l, 96 hours</td>
</tr>
<tr>
<td></td>
<td>Daphnia magna (Water Flea)</td>
<td>EC50 8.1 mg/l, 48 hours</td>
</tr>
<tr>
<td></td>
<td>Pseudokirchneriella subcapitata (Green Alga)</td>
<td>EC50 5.8 mg/l, 72 hours</td>
</tr>
<tr>
<td></td>
<td>Onchorhynchus mykiss (Rainbow Trout)</td>
<td>LC50 2 mg/l, 96 hours</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biodegradability</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent degradation (Aerobic biodegradation)</td>
<td>Benzyl alcohol</td>
<td>92 - 96 % Test Duration: 28 days</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-octanol / water (log Kow)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>1.1</td>
<td></td>
</tr>
<tr>
<td>Mobility in soil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other adverse effects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 13. Disposal considerations

**Disposal methods**

Avoid release to the environment. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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.

**Residual waste**

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).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

**ADG**

Not regulated as dangerous goods.

**RID**

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

**Safety, health and environmental regulations**
This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals (23/12/2011).

Poison Schedule (Product) – Schedule 5

APVMA Registration No.: 55130

This SDS replaces version: Issued October 2016

**National regulations**

Australia Medicines & Poisons Appendix B

NICABAZIN (CAS 330-95-0)

Australia Medicines & Poisons Appendix J

MADURAMICIN (CAS 84878-61-5)

Australia Medicines & Poisons Schedule 5

MADURAMICIN (CAS 84878-61-5)

Australia Medicines & Poisons Schedule 7

MADURAMICIN (CAS 84878-61-5)

High Volume Industrial Chemicals (HVIC)

Benzyl alcohol (CAS 100-51-6) 10000 - 99999 TONNES See the regulation for additional information.

**Importation of Ozone Deleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)**

Not listed.

**National Pollutant Inventory (NPI) substance reporting list**

Not listed.

**Prohibited Carcinogenic Substances**

Not regulated.


Not listed.

**Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)**

Not listed.

**Restricted Carcinogenic Substances**

Not regulated.

**International regulations**

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Base Convention

Not applicable.

**International Inventories**

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

*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: 11-September-2017

Key abbreviations or acronyms used: ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

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:
Composition / Information on Ingredients:
Physical & Chemical Properties:
Toxicological Information:
Transport Information:
GHS: Classification