SAFETY DATA SHEET

1. Identification

Product identifier: Engain 20 Ractopamine Hydrochloride Premix (70005)

Other means of identification:

Synonyms: Ractopamine Type A Premix * Engain 45 * Actogain 100 * Actogain 45 * Engain 100 * Engain 20 * Engain 9

Recommended use of the chemical and restrictions on use:

Recommended use: Veterinary product (Feed additive)

Restrictions on use: Not for human use

Details of manufacturer or importer

Manufacturer:

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: productsupport.au@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
- Sensitization, skin: Category 1
- Specific target organ toxicity following repeated exposure: Category 2 (cardiovascular system)

Environmental hazards: Not classified.

Label elements, including precautionary statements

Hazard symbol(s):

Health hazard
Exclamation mark

Signal word: Warning

Hazard Statement(s):

May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs (cardiovascular system) through prolonged or repeated exposure.

Precautionary Statement(s)

Prevention:

Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.

Response:

Get medical advice/attention if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. 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. Wear contaminated clothing before reuse.

Storage:

Store away from incompatible materials.
### 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Identity of chemical ingredients</th>
<th>CAS number and other unique identifiers</th>
<th>Concentration of ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ractopamine Hydrochloride</td>
<td>90274-24-1</td>
<td>2-10</td>
</tr>
<tr>
<td>Corn grits</td>
<td>Not assigned</td>
<td>*</td>
</tr>
<tr>
<td>Soybean oil</td>
<td>8001-22-7</td>
<td>*</td>
</tr>
</tbody>
</table>

**Composition comments**
*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

**Description of necessary first aid measures**

- **Inhalation**: If inhaled, remove to fresh air. If breathing is difficult, trained personnel should give oxygen. Get medical attention immediately.
- **Skin contact**: Remove contaminated clothing immediately and wash skin with soap and water. Seek medical attention. Wash contaminated clothing before reuse. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
- **Eye contact**: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control centre immediately.
- **Ingestion**: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Rinse mouth. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions.

**Personal protection for first-aid responders**
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. Wash contaminated clothing before reuse.

**Symptoms caused by exposure**
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.

**Medical attention and special treatment**

### 5. Fire-fighting measures

**Extinguishing media**
- **Suitable extinguishing media**: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid creating airborne dust.
- **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. Use water spray to cool unopened containers. During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

**Hazchem Code**
None.

**General fire hazards**
May form combustible dust concentrations in air. Fine particles (such as mists) may fuel fires/explosions.

**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
Do not breathe dust. Keep unnecessary personnel away. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.

For emergency responders
Wear appropriate protective equipment and clothing during clean-up. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ventilate the contaminated area. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

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. Avoid the generation of dusts during clean-up. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Collect spill with an inert, non-combustible absorbent material and transfer to labeled container for disposal. Clean contaminated surface thoroughly. Prevent release to the environment.

Small Spills: Wipe up with a damp cloth and place in container for disposal. 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
Wear appropriate personal protective equipment. Provide 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. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe dust. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure.

When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Store locked up. Keep away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. < 25C / 77F. 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

<table>
<thead>
<tr>
<th>Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soybean oil (CAS 8001-22-7)</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Inhalable mist.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soybean oil (CAS 8001-22-7)</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Inspirable dust.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Biological limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>No biological exposure limits noted for the ingredient(s).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Control banding approach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ractopamine hydrochloride: Zoetis OEB 3 (control exposure to the range of 10ug/m3 to &lt; 100ug/m3)</td>
</tr>
</tbody>
</table>
Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. 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.

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 appropriate chemical resistant clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. 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. Respiratory protection should be provided in instances where exposure to dust, mists, aerosols or vapors are likely. 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. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Granular solid

Physical state

Solid.

Form

Solid.

Colour

Brown.

Odour

Not available.

Odour threshold

Not available.

pH

Not available.

Melting point/freezing point

Not available.

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

Dust explosion properties
- \( P_{\text{max}} \): 9.7 bar
- \( \frac{dP}{dT} \): 586 bar/s
- \( K_{\text{s}} \): 159 bar.m/s
- \( S_{\text{t}} \) class: 1 Weak explosion.
- Minimum Ignition Energy (MIE) - dust cloud: 190 mJ

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. Keep away from heat, sparks and open flame. Minimise dust generation and accumulation. Dust may form explosive mixture with air. Fine particles (such as dust and mists) may fuel fires/explosions.
Incompatible materials Strong oxidising agents.
Hazardous decomposition products Carbon dioxide, carbon monoxide, and oxides of nitrogen. May include hydrogen chloride.

11. Toxicological information

Information on possible routes of exposure

Inhalation Prolonged inhalation may be harmful.
Skin contact May cause an allergic skin reaction.
Ractopamine Hydrochloride Species: Rabbit
Severity: Non-irritating
Eye contact Causes serious eye irritation.
Ractopamine Hydrochloride Species: Rabbit
Severity: Irritant
Ingestion Expected to be a low ingestion hazard.
Symptoms related to exposure Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. Dermatitis. Rash.
Acute toxicity May cause an allergic skin reaction.

Product   Species   Test results

Engain 20 Ractopamine Hydrochloride Premix (70005)

Acute
Inhalation
- LC50: Rat  > 20 mg/l/4h (Calculated ATE)
Oral
- LD50: Rat  4000 mg/kg (Calculated ATE)
<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ractopamine Hydrochloride (CAS 90274-24-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>Rat</td>
<td>2.8 mg/l, 4 hours</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td>Rat</td>
<td>398 - 564 mg/kg</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOAEL</td>
<td>Monkey</td>
<td>125 mg/kg/day, 1 year [Target organ(s): Heart]</td>
</tr>
<tr>
<td>NOEL</td>
<td>Rat</td>
<td>2 mg/kg/day, 2 years [Target organ(s): Heart]</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td></td>
<td>Prolonged skin contact may cause temporary irritation.</td>
</tr>
<tr>
<td><strong>Corrosivity</strong></td>
<td>Ractopamine Hydrochloride</td>
<td>Species: Rabbit Severity: Non-irritant</td>
</tr>
<tr>
<td><strong>Serious eye damage/irritation</strong></td>
<td></td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td><strong>Eye contact</strong></td>
<td>Ractopamine Hydrochloride</td>
<td>Species: Rabbit Severity: Irritant</td>
</tr>
<tr>
<td><strong>Respiratory or skin sensitisation</strong></td>
<td></td>
<td>Not a respiratory sensitizer.</td>
</tr>
<tr>
<td><strong>Respiratory sensitisation</strong></td>
<td></td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td><strong>Skin sensitisation</strong></td>
<td>Ractopamine Hydrochloride</td>
<td>Species: Guinea Pig Severity: positive</td>
</tr>
<tr>
<td><strong>Germ cell mutagenicity</strong></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><strong>Mutagenicity</strong></td>
<td>Ractopamine Hydrochloride</td>
<td>In Vitro Bacterial Mutagenicity (Ames) Result: negative Species: Salmonella</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In Vitro Mammalian Cell Mutagenicity Result: negative Species: Mouse Lymphoma</td>
</tr>
<tr>
<td></td>
<td></td>
<td>In Vivo Sister Chromatid Exchange Result: negative Species: Hamster</td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td></td>
<td>Due to partial or complete lack of data the classification is not possible.</td>
</tr>
<tr>
<td><strong>Reproductive toxicity</strong></td>
<td></td>
<td>This product is not expected to cause reproductive or developmental effects.</td>
</tr>
<tr>
<td><strong>Reproductivity</strong></td>
<td>Ractopamine Hydrochloride</td>
<td>15 mg/kg/day 2 Generation Reproductive Toxicity, (Fetotoxicity, Postnatal mortality, Maternal toxicity) Result: NOAEL Species: Rat Organ: No route specified</td>
</tr>
<tr>
<td><strong>Specific target organ toxicity - single exposure</strong></td>
<td></td>
<td>Not classified.</td>
</tr>
</tbody>
</table>
Specific target organ toxicity - repeated exposure: May cause damage to organs (cardiovascular system) through prolonged or repeated exposure.

Aspiration hazard: Not an aspiration hazard.

Chronic effects: May cause damage to organs through prolonged or repeated exposure.

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.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ractopamine Hydrochloride (CAS 90274-24-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC50</td>
<td>Daphnia Magna (Water Flea)</td>
<td>34.5 mg/l, 48 Hours</td>
</tr>
<tr>
<td>LC50</td>
<td>Lepomis macrochirus (Bluegill Sunfish)</td>
<td>544 mg/l, 96 Hours</td>
</tr>
<tr>
<td></td>
<td>Oncorhynchus mykiss (Rainbow Trout)</td>
<td>693 mg/l, 96 Hours</td>
</tr>
<tr>
<td></td>
<td>Selenastrum capricornutum (Green Alga)</td>
<td>&gt; 101.2 mg/l, 72 Hours</td>
</tr>
<tr>
<td>LD50</td>
<td>Colinus virginianus (Bobwhite Quail)</td>
<td>&gt; 2000 mg/kg, 14 Days</td>
</tr>
<tr>
<td>MIC</td>
<td>Activated sludge</td>
<td>1413 mg/l</td>
</tr>
</tbody>
</table>

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available for this product.

Mobility in soil: No data available for this product.

Other adverse effects: 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

Disposal methods: Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. 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. Contract with a disposal operator licensed by the Law on Disposal and Cleaning.

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. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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.
15. Regulatory information

Safety, health and environmental regulations

National 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).

APVMA No. 70005

Poison Schedule (Product) – Schedule 5

- **Australia Medicines & Poisons Appendix A**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Appendix B**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Appendix C**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Appendix D**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Appendix E**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Appendix F**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Appendix G**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Appendix H**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Appendix I**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Appendix J**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Appendix K**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Schedule 2**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Schedule 3**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Schedule 4**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Schedule 5**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Schedule 6**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Schedule 7**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Schedule 8**
  - Poisons schedule number not allocated.
- **Australia Medicines & Poisons Schedule 9**
  - Poisons schedule number not allocated.
- **High Volume Industrial Chemicals (HVIC)**
  - Not listed.
- **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.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)
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.

Basel 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>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</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          24-October-2016
Revision date       14-October-2021
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
Periodical revision
Addition of poison schedule information