

# SAFETY DATA SHEET



## 1. Identification

<b>Product identifier</b>	<b>Lincomycin Hydrochloride/Spectinomycin Sulfate Tetrahydrate Sterile Solution</b>
<b>Other means of identification</b>	
<b>Synonyms</b>	Linco-Spectin® * Linco-Spectin * Linco-Spectin® injectable * Linco-Spectin® sterile solution * LINCO-SPECTIN® Antibiotic Injectable Solution * Linco-Spectin® VET
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Recommended use</b>	Veterinary product used as antibiotic agent
<b>Restrictions on use</b>	Not for human use
<b>Details of manufacturer or importer</b>	
<b>Company Name (AU)</b>	Zoetis Australia Pty Ltd ABN 94 156 476 425 Level 6, 5 Rider Boulevard Rhodes NSW 2138 AUSTRALIA
<b>Tel</b>	1800 814 883
<b>Fax</b>	(02) 8876 0444
<b>Email</b>	productsupport.au@zoetis.com
<b>Emergency Phone</b>	1800 814 883 (all hours)
<b>Police and Fire Brigade</b>	Dial 000
<b>If ineffective</b>	Dial Poisons Information Centre (13 1126 from anywhere in Australia)

## 2. Hazard(s) identification

### Classification of the hazardous chemical

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Sensitization, skin	Category 1
<b>Environmental hazards</b>	Not classified.	

### Label elements, including precautionary statements

#### Hazard symbol(s)



Exclamation  
mark

#### Signal word

Warning

#### Hazard statement(s)

May cause an allergic skin reaction.

#### Precautionary statement(s)

##### Prevention

Avoid breathing mist or vapour. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

##### Response

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

##### Storage

Store away from incompatible materials.

##### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Supplemental information

May cause eye irritation. May cause skin irritation. Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. The most common adverse effects reported with clinical use were diarrhea, nausea, rash, and vomiting. Effects on blood and blood-forming organs have also occurred.

#### Other hazards which do not result in classification

None known.

### 3. Composition/information on ingredients

#### Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients (%)
Spectinomycin Sulfate Tetrahydrate	64058-48-6	10
Lincomycin Hydrochloride	859-18-7	5
Benzyl alcohol	100-51-6	0.9
Water for Injection	7732-18-5	*

**Composition comments** \* Non-hazardous Ingredients

### 4. First-aid measures

#### Description of necessary 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>	In the case of skin contact, immediately wash the skin with plenty of soap and water. In the event of accidental self injection or needle stick injury, wash the injury thoroughly with clean running water. Get medical attention immediately. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash clothing separately before reuse.
<b>Eye contact</b>	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. Call a physician or poison control centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

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

**Symptoms caused by exposure** Direct contact with eyes may cause temporary irritation. Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. The most common adverse effects reported with clinical use were diarrhea, nausea, rash, and vomiting.

**Medical attention and special treatment** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

### 5. Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	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.

**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** Move containers from fire area if you can do so without risk.

**Hazchem code** None.

**General fire hazards** No unusual fire or explosion hazards noted.

**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

<b>For non-emergency personnel</b>	Keep unnecessary personnel away.
<b>For emergency responders</b>	Ensure adequate ventilation. Use personal protection recommended in Section 8 of the SDS. Ventilate the contaminated area. Do not breathe mist or vapour. Avoid contact with eyes, skin, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**Methods and materials for containment and cleaning up**

Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Avoid release to the environment.

Large Spills: Stop the flow of material, if this is without risk. 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.

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 personal protective equipment. Provide adequate ventilation. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Avoid accidental injection. Avoid prolonged exposure. 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 in a well-ventilated place. @ 15-30°C (59-86°F).. 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****Zoetis****Components****Type****Value**

Lincomycin Hydrochloride (CAS 859-18-7)

TWA

100 µg/m<sup>3</sup>

Spectinomycin Sulfate Tetrahydrate (CAS 64058-48-6)

TWA

2000 µg/m<sup>3</sup>

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

Benzyl alcohol (CAS 100-51-6)

TWA

22 mg/m<sup>3</sup>

Vapour and aerosol.

5 ppm

Vapour and aerosol.

**Biological limit values**

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

**Exposure guidelines**

No exposure standards allocated.

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. 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. General ventilation normally adequate.

**Individual protection measures, for example personal protective equipment (PPE)****Eye/face protection**

If contact is likely, safety glasses with side shields are recommended.

**Skin protection****Hand protection**

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

**Other**

Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.

**Respiratory protection**

No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. 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.

**Thermal hazards**

Not applicable.

**Hygiene measures**

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

Physical state	Liquid.
Form	Liquid.
Colour	Not available.
Odour	Slight.
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 applicable.

### Upper/lower flammability or explosive limits

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.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	Thermal decomposition products may include oxides of carbon, nitrogen, and sulfur. May include hydrogen chloride.

## 11. Toxicological information

### Information on possible routes of exposure

Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
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Skin contact	May cause an allergic skin reaction.
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Benzyl alcohol	Species: Guinea Pig Severity: Moderate
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Species: Rabbit  
Severity: Minimal



**Skin contact**

Spectinomycin Sulfate Tetrahydrate

Species: Rabbit  
Severity: No effect**Eye contact**

Direct contact with eyes may cause temporary irritation.

Spectinomycin Sulfate Tetrahydrate

Species: Rabbit  
Severity: Minimal

Benzyl alcohol

Species: Rabbit  
Severity: Severe**Ingestion**

Ingestion may result in mild gastrointestinal irritation with nausea, vomiting, or diarrhea.

**Symptoms related to exposure**

Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. The most common adverse effects reported with clinical use were diarrhea, nausea, rash, and vomiting.

**Acute toxicity**

Not acutely toxic

**Components****Species****Test Results**

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

Lincomycin Hydrochloride (CAS 859-18-7)

**Acute****Intravenous**

LD50

Mouse

214 mg/kg

**Oral**

LD50

Rat

&gt; 4000 mg/kg

**Other**

LD50

Rat

342 mg/kg (Para-periosteal)

**Subcutaneous**

LD50

Rat

9778 mg/kg

**Chronic****Oral**

NOAEL

Dog

100 mg/kg/day, 6 months (Immune system)

**Subacute****Oral**

NOAEL

Rat

300 mg/kg/day, 30 days (No effects at maximum dose)

**Subcutaneous**

NOAEL

Rat

60 mg/kg/day, 30 days (None identified)

**Subchronic****Oral**

LOAEL

Dog

400 mg/kg/day, 3 months (None identified)

NOAEL

Rat

300 mg/kg/day, 3 months (None identified)

Components	Species	Test Results
Spectinomycin Sulfate Tetrahydrate (CAS 64058-48-6)		
<b><u>Acute</u></b>		
<b>Intravenous</b>		
LD50	Mouse	1022 mg/kg
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
<b>Other</b>		
LD50	Mouse	3577 mg/kg [Sub-tenon injection (eye)]
<b><u>Subchronic</u></b>		
<b>Oral</b>		
LOAEL	Rat	3000 mg/kg/day, 13 weeks (Target organ(s): None identified)
NOAEL	Dog	50 mg/kg/day, 90 days (Target organ(s): None identified)
	Rat	400 mg/kg/day, 13 weeks (Target organ(s): None identified)
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Corrosivity</b>		
Spectinomycin Sulfate Tetrahydrate	Severity: No effect	
<b>Serious eye damage/irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Eye contact</b>		
Spectinomycin Sulfate Tetrahydrate	Species: Rabbit Severity: Minimal	
Benzyl alcohol	Species: Rabbit Severity: Severe	
<b>Respiratory or skin sensitisation</b>	In the event of accidental injection, an allergic reaction may occur.	
<b>Respiratory sensitisation</b>	Not a respiratory sensitiser.	
<b>Skin sensitisation</b>	May cause an allergic skin reaction.	
<b>Skin Sensitisation</b>		
Spectinomycin Sulfate Tetrahydrate	Severity: Sensitiser	
<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>Mutagenicity</b>		
Lincomycin Hydrochloride	Bacterial Mutagenicity (Ames) Result: Negative Species: Salmonella	
Spectinomycin Sulfate Tetrahydrate	Bacterial Mutagenicity (Ames) Result: Negative Species: Salmonella	
Lincomycin Hydrochloride	Direct DNA Interaction Result: Negative Species: Human lymphocytes	
Spectinomycin Sulfate Tetrahydrate	In Vitro Chromosome Aberration Result: Negative Species: Chinese Hamster Ovary (CHO) cells	
	In Vitro Unscheduled DNA Synthesis Result: Negative Species: Rat Hepatocyte	

**Mutagenicity**

Spectinomycin Sulfate Tetrahydrate

In Vivo Micronucleus

Result: Negative

Species: Mouse Bone Marrow

Lincomycin Hydrochloride

In Vivo Micronucleus

Result: Negative

Species: Rat

Mammalian Cell Mutagenicity

Result: Negative

Species: Mouse Lymphoma

**Carcinogenicity**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. 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. This compound can cross the placenta in pregnant women. may be secreted in human breast milk.

**Developmental effects**

Lincomycin Hydrochloride

100 mg/kg Prenatal &amp; Postnatal Development, Not Teratogenic

Result: NOEL

Species: Rat

Organ: Oral

Spectinomycin Sulfate Tetrahydrate

1000 mg/kg/day Embryo / Fetal Development, (Maternal Toxicity)

Result: NOAEL

Species: Rat

Organ: Oral

2000 mg/kg/day Embryo / Fetal Development, (Fetotoxicity)

Result: NOAEL

Species: Rat

Organ: Oral

Lincomycin Hydrochloride

30 mg/kg/day Peri-/Postnatal Development, No effects at maximum dose

Result: NOAEL

Species: Rat

Organ: Subcutaneous

300 mg/kg/day Embryo / Fetal Development, Not Teratogenic

Result: NOAEL

Species: Rat

Organ: Subcutaneous

75 mg/kg/day Fertility and Embryonic Development, No effects at maximum dose

Result: NOAEL

Species: Rat

Organ: Subcutaneous

**Reproductivity**

Lincomycin Hydrochloride

100 mg/kg 2 Generation Reproductive Toxicity, Fetotoxicity

Result: LOAEL

Species: Rat

Organ: Oral

Spectinomycin Sulfate Tetrahydrate

2000 mg/kg/day Reproductive &amp; Fertility, (Maternal Toxicity, Paternal toxicity, Fetotoxicity)

Result: NOAEL

Species: Rat

Organ: Oral

**Reproductivity**

Spectinomycin Sulfate Tetrahydrate

400 mg/kg/day Reproductive &amp; Fertility, (Maternal toxicity, Paternal toxicity, Fetotoxicity)

Result: NOEL

Species: Rat

Organ: Oral

**Specific target organ toxicity - single exposure** Not classified.**Specific target organ toxicity - repeated exposure** Due to partial or complete lack of data the classification is not possible. This product may affect blood and blood forming organs through prolonged or repeated exposure.**Aspiration hazard** Not an aspiration hazard.**Chronic effects** Prolonged inhalation may be harmful.**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
Benzyl alcohol (CAS 100-51-6)			
Aquatic			
Algae	EC50	Pseudokirchneriella subcapitata (Green Alga)	500 mg/l, 72 Hours
Crustacea	EC50	Daphnia magna (Water Flea)	230 mg/l, 48 Hours
Fish	LC50	Pimephales promelas (Fathead Minnow)	66 mg/l, 21 day(s) Toxicity for reproduction 460 mg/l, 96 Hours
Acute			
Fish	LC50	Bluegill (Lepomis macrochirus)	10 mg/l, 96 hours
Lincomycin Hydrochloride (CAS 859-18-7)			
	EC50	Anabaena flos-aquae (Cyanobacteria)	0.03 mg/l, 72 Hours
	LC50	Salmo gairdneri (Trout)	> 980 mg/l, 96 Hours
Aquatic			
Crustacea	EC50	Daphnia magna (Water Flea)	> 900 mg/l, 48 Hours
Fish	LC50	Lepomis macrochirus (Bluegill Sunfish)	> 980 mg/l, 96 Hours
Spectinomycin Sulfate Tetrahydrate (CAS 64058-48-6)			
Aquatic			
Algae	EC50	Selenastrum capricornutum (Green Alga)	1.18 mg/l, 72 Hours
Crustacea	EC50	Daphnia magna (Water Flea)	> 1000 mg/l, 48 Hours
Fish	LC50	Oncorhynchus mykiss (rainbow trout)	> 118 mg/l, 96 Hours
Persistence and degradability	No data is available on the degradability of this product.		
Biodegradability			
Percent Degradation (Aerobic Biodegradation)			
Benzyl alcohol	92 - 96 % Test Duration: 28 days		
Bioaccumulative potential	Not expected to bioaccumulate.		
Partition coefficient n-octanol / water (log Kow)			
Benzyl alcohol	1.1		
Lincomycin Hydrochloride	2.55, pH 6-8		

<b>Mobility in soil</b>	No data available for this product.
<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 methods</b>	Avoid release to the environment. 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>Residual waste</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.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

<b>ADG</b>	Not regulated as dangerous goods.
<b>RID</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

### 15. Regulatory information

#### Safety, health and environmental regulations

<b>National regulations</b>	This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals.  APVMA Registration Number: 38692  Poison Schedule (Product) - Schedule 4  This SDS replaces version: Issued 18 April 2017
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#### Australia Medicines & Poisons Appendix A

Poisons schedule number not allocated.

#### Australia Medicines & Poisons Appendix B

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 10**

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)**

Benzyl alcohol (CAS 100-51-6)

10000 - 99999 TONNES See the regulation for additional information.

Water for Injection (CAS 7732-18-5)

1000 - 9999 TONNES See the regulation for additional information.

**Importation of Ozone Depleting 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**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
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	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	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

<b>Issue date</b>	18-April-2017
<b>Revision date</b>	22-March-2022
<b>Disclaimer</b>	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.
<b>Revision information</b>	This document has undergone significant changes and should be reviewed in its entirety.