

SAFETY DATA SHEET



1. Identification

Product identifier	Startect® Broad Spectrum Oral Drench for Sheep
Other means of identification	
Synonyms	Derquantel / Abamectin oral drench * STARTECT® * STARTECT Dual Active Oral Solution for Sheep
Recommended use of the chemical and restrictions on use	
Recommended use	Veterinary product used as anti-worm agent (anthelmintic)
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	Not classified.	
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 3

Label elements, including precautionary statements

Hazard symbol(s)



Environment

Signal word

Warning

Hazard statement(s)

Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

Prevention

Avoid release to the environment.

Response

Collect spillage.

Storage

Store away from incompatible materials.

Disposal

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

Other hazards which do not result in classification

None known.

Supplemental information

None.

3. Composition/information on ingredients

Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients (%)
Butylated hydroxytoluene	128-37-0	<0.1
Abamectin	71751-41-2	1 mg/ml
Derquantel	187865-22-1	10 mg/ml
Glycerol formal	5464-28-8	*
Glycerol triacetate	102-76-1	*
Propylene glycol dicaprylate-caprate	68583-51-7	*

Composition comments * Non-hazardous Ingredients

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 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 Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present and easy to do.

Ingestion 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 IF exposed or concerned: Get medical advice/attention. For personal protection, see section 8 of the SDS. You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Symptoms caused by exposure Direct contact with eyes may cause temporary irritation. Exposed individuals may experience eye tearing, redness, and discomfort. Mild skin irritation. May cause central nervous system effects.

Medical attention and special treatment Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

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. C1 combustible (AS 1940).

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 3Z

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

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. Use personal protection recommended in Section 8 of the SDS. Avoid breathing 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 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). Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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**

Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. 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 locked up. Store in a well-ventilated place. Store below 30°C (86°F). Keep away from heat, sparks and open flame. Store in original tightly closed container. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

8. Exposure controls and personal protection**Control parameters**

Follow standard monitoring procedures.

Occupational exposure limits**Zoetis****Components**

Components	Type	Value
Derquantel (CAS 187865-22-1)	TWA	10 µg/m ³

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)**Components**

Components	Type	Value
Butylated hydroxytoluene (CAS 128-37-0)	TWA	10 mg/m ³

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)**Components**

Components	Type	Value
Butylated hydroxytoluene (CAS 128-37-0)	TWA	10 mg/m ³

US. ACGIH Threshold Limit Values**Components**

Components	Type	Value	Form
Butylated hydroxytoluene (CAS 128-37-0)	TWA	2 mg/m ³	Inhalable fraction and vapor.

UK. EH40 Workplace Exposure Limits (WELs)**Components**

Components	Type	Value
Butylated hydroxytoluene (CAS 128-37-0)	TWA	10 mg/m ³

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

Components	Type	Value	Form
Butylated hydroxytoluene (CAS 128-37-0)	TWA	10 mg/m ³	Vapor and aerosol, inhalable fraction.

Biological limit values

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

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 appropriate chemical resistant gloves. Impervious gloves.

Other Wear suitable protective clothing. 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. Whenever air contamination (mist, vapor or odor) is generated, respiratory protection is recommended as a precaution to minimize exposure. 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. Chemical respirator with organic vapour cartridge, full facepiece, dust and mist filter.

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.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Colour Clear. Light yellow.

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 applicable.

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.
Specific gravity	1.016 @ 20C/68F

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. Excessive heat. Sunlight. Keep away from heat, sparks and open flame. Do not allow material to freeze.
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	Prolonged inhalation may be harmful.
Skin contact	Prolonged skin contact may cause temporary irritation.
Startect® Broad Spectrum Oral Drench for Sheep	OECD 404 Result: Irritation Species: Rabbit Severity: Mild
Abamectin	Severity: Mild
Butylated hydroxytoluene	Species: Rabbit Severity: Moderate
Derquantel	Species: Rabbit Severity: No effect
Eye contact	Direct contact with eyes may cause temporary irritation.
Startect® Broad Spectrum Oral Drench for Sheep	OECD 405 Result: Irritation Species: Rabbit Severity: Minimal
Abamectin	Severity: Moderate
Derquantel	Species: Rabbit Severity: Minimal
Butylated hydroxytoluene	Species: Rabbit Severity: Moderate

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

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 central nervous system effects.

Acute toxicity May be harmful if swallowed.

Product	Species	Test results
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Startect® Broad Spectrum Oral Drench for Sheep

Acute

Dermal

LD50

Rat

> 3045 mg/kg

Product	Species	Test results
Inhalation		
<i>Mist</i>		
LC50/4h	Rat	> 5.04 mg/l
Oral		
LD50	Rat	9000 mg/kg
Components	Species	Test results
Abamectin (CAS 71751-41-2)		
Acute		
Dermal		
LD50	Rabbit	> 330 mg/kg
Inhalation		
<i>Dust</i>		
LC50		0.05 mg/l (based on EU classification)
Oral		
LD50	Mouse	14 mg/kg
	Rat	8.7 mg/kg
Chronic		
Oral		
LOEL	Mouse	8 mg/kg/day, 94 weeks [Target organ(s): Spleen, Skin, Central Nervous System]
NOEL	Dog	0.25 mg/kg/day, 1 years [Target organ(s): None identified]
	Mouse	8 mg/kg/day, 22 months [Not carcinogenic]
	Rat	2 mg/kg/day, 2 years [Target organ(s): None identified]
		2 mg/kg/day, 24 months [Not carcinogenic]
Butylated hydroxytoluene (CAS 128-37-0)		
Acute		
Intraperitoneal		
LD50	Mouse	138 mg/kg
Oral		
LD50	Mouse	650 mg/kg
	Rat	1700 mg/kg
		890 mg/kg
Chronic		
Oral		
LOAEL	Mouse	2000 mg/kg, 4 days Liver Kidney Ureter Bladder
	Rat	5185 mg/kg, 4 weeks Liver
Derquantel (CAS 187865-22-1)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg
Inhalation		
	Rat	2.4 mg/l (Minimum Symptomatic Dose)
Oral		
	Dog	5 mg/kg (Minimum Symptomatic Dose)
	Mouse	12.5 mg/kg (Minimum Symptomatic Dose)
	Rat	500 mg/kg (Minimum Symptomatic Dose)

Components	Species	Test results
<u>Chronic</u>		
Oral		
NOAEL	Rat	5 mg/kg/day, 1 years [Target organ(s): Liver, Kidney, Male reproductive system, Bile duct]
NOEL	Rat	0.01 mg/kg/day, 1 years [Target organ(s): Bile duct]
<u>Subacute</u>		
Oral		
NOAEL	Rat	< 20 mg/kg/day, 28 days [Target organ(s): Liver, Blood, Nervous System]
NOEL	Dog	0.1 mg/kg/day, 1 months [No effects at maximum dose]
<u>Subchronic</u>		
Oral		
NOAEL	Dog	1 mg/kg/day, 3 months [Target organ(s): Heart, Kidney, Nervous System]
Glycerol formal (CAS 5464-28-8)		
<u>Acute</u>		
Oral		
LD50	Mouse	8000 mg/kg
Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.		
Corrosivity		
Startect® Broad Spectrum Oral Drench for Sheep		OECD 404 Result: Irritation Species: Rabbit Severity: Mild
Abamectin		Severity: Mild
Derquantel		Species: Rabbit Severity: No effect
Serious eye damage/irritation Direct contact with eyes may cause temporary irritation.		
Eye contact		
Startect® Broad Spectrum Oral Drench for Sheep		OECD 405 Result: Irritation Species: Rabbit Severity: Minimal
Abamectin		Severity: Moderate
Derquantel		Species: Rabbit Severity: Minimal
Butylated hydroxytoluene		Species: Rabbit Severity: Moderate
Respiratory or skin sensitisation		
Respiratory sensitisation Not a respiratory sensitizer.		
Skin sensitisation This product is not expected to cause skin sensitisation.		
Skin sensitisation		
Startect® Broad Spectrum Oral Drench for Sheep		OECD 406 Result: Non-sensitizing Species: Guinea pig

Skin sensitisation

Derquantel

GPMT

Species: Guinea Pig

Severity: negative

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity

Abamectin

In Vitro Bacterial Mutagenicity (Ames)

Result: negative

Species: Salmonella

Derquantel

In Vitro Bacterial Mutagenicity (Ames)

Result: negative

Species: Salmonella

Abamectin

In Vitro Chromosome Aberration

Result: negative

Species: Chinese Hamster Ovary (CHO) cells

Derquantel

In Vitro Chromosome Aberration

Result: Positive without activation

Species: Human lymphocytes

Abamectin

In Vitro Direct DNA Damage

Result: positive

Species: Rat Hepatocyte

In Vitro Mammalian Cell Mutagenicity

Result: negative

Species: Hamster

In Vivo Bone Marrow Metaphase Analysis

Result: negative

Species: Mouse

Derquantel

In Vivo Micronucleus

Result: negative

Species: Mouse Bone Marrow

In Vivo Micronucleus

Result: negative

Species: Rat Hepatocyte

Carcinogenicity

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

ACGIH Carcinogens

Butylated hydroxytoluene (CAS 128-37-0)

A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Butylated hydroxytoluene (CAS 128-37-0)

3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Developmental effects

Derquantel

1 mg/kg/day Embryo / Fetal Development, Maternal Toxicity

Developmental toxicity

Result: NOAEL

Species: Rabbit

Organ: Oral

Abamectin

1 mg/kg/day Embryo / Fetal Development, teratogenic

Result: NOEL

Species: Rat

Organ: No route specified

Developmental effects

Derquantel 5 mg/kg/day Fertility and Embryonic Development, Maternal Toxicity Not Teratogenic
Result: NOAEL
Species: Rat
Organ: Oral

Butylated hydroxytoluene 6 g/kg Embryo / Fetal Development, teratogenic
Result: LOEL
Species: Rat
Organ: Oral

Derquantel 70 mg/kg/day Embryo / Fetal Development, Maternal toxicity
Developmental toxicity
Result: NOAEL
Species: Rat
Organ: Oral

Reproductivity

Abamectin 0.12 mg/kg/day Reproductive & Fertility, Fetotoxicity
Result: NOEL
Species: Rat
Organ: No route specified

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met. This product may affect Nervous system. through prolonged or repeated exposure.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity Very toxic to aquatic life. Harmful to aquatic life with long lasting effects. Avoid release to the environment.

Components		Species	Test results
Abamectin (CAS 71751-41-2)	<i>Acute</i>	EC50	Daphnia Magna (Water Flea) 0.0001 mg/l, 48 Hours
			Pseudokirchneriella subcapitata (Green Alga) 1.59 mg/l, 72 Hours (ErC50)
		LC50	Lepomis macrochirus (Bluegill Sunfish) 0.096 mg/l, 96 Hours
		Mysidopsis bahia (Mysid Shrimp) < 0.0001 mg/l, 96 Hours	
		Oncorhynchus mykiss (Rainbow Trout) 0.003 mg/l, 96 Hours	
		<i>Chronic</i>	NOEC
Derquantel (CAS 187865-22-1)	EC50	Daphnia magna (Water Flea)	21.17 mg/l, 48 Hours
		Pseudokirchneriella subcapitata (Green Alga)	> 47.1 mg/l, 72 Hours (ErC50)
		Skeletonema costatum (Marine Diatom)	55 mg/l, 96 Hours
	LC50	Cyprinodon variegatus (Sheepshead Minnow)	> 2.2 mg/l, 96 Hours
		Oncorhynchus mykiss (Rainbow Trout)	57.7 mg/l, 96 Hours
	NOEC	Activated sludge	> 100 mg/l (Surrogate)
	Daphnia magna (Water Flea)	0.044 mg/l, 21 day(s) (Effect: Reproduction)	

Persistence and degradability In the environment, the active ingredient in this formulation is expected to is expected to biodegrade at a moderate rate in soil.

Bioaccumulative potential	Not expected to bioaccumulate.
Partition coefficient n-octanol / water (log Kow)	
Abamectin	4.4
Derquantel	2.96, @ pH 6.83

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.

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

UN number	3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Abamectin)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Label(s)	9
Packing group	III
Environmental hazards	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Abamectin)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	Yes
ERG Code	9L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

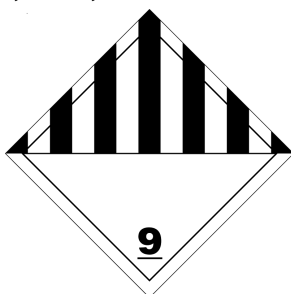
Other information

Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

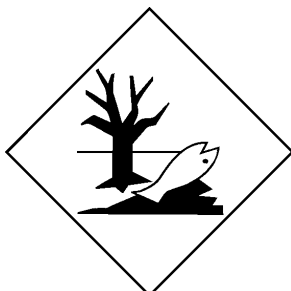
IMDG

UN number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Abamectin), MARINE POLLUTANT (Abamectin)
Transport hazard class(es)	
Class	9
Subsidiary risk	-

Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.
IATA; IMDG; RID	



Marine pollutant



General information

IMDG Regulated Marine Pollutant. As of January 1, 2015, materials offered for transport that are classified for transportation only as Marine Pollutants and which are packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 Liters or less for liquids or having a net mass per single or inner packaging of 5 kilograms or less for solids are NOT subject to ICAO/IATA, IMDG, or ADR transport regulations provided the general packaging requirements of those regulations are met. Refer to ICAO/IATA A197, IMDG 2.10.2.7, ADR SP 375. Please refer to the applicable dangerous goods regulations for additional information. Transport according to the requirements of the appropriate regulatory body.

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).

Poison Schedule (Product): Schedule 6

APVMA Registration No: 64247

This SDS replaces version: Issued October 2016

Australia Medicines & Poisons Schedule 6

DERQUANTEL (CAS 187865-22-1)

High Volume Industrial Chemicals (HVIC)

Not listed.

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 Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	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
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

24-October-2017

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.