

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	Veterinary product used as anti-worm agent (anthelmintic)
Recommended restrictions	Not for human use

Manufacturer/Importer/Supplier/Distributor information

Company Name (USA)	Zoetis Inc. 10 Sylvan Way Parsippany, New Jersey 07054 (USA)
Rocky Mountain Poison & Drug Safety	1-866-531-8896
Product Support/Technical Services	1-888-963-8471
Emergency telephone numbers	CHEMTREC (24 hours): 1-800-424-9300 International CHEMTREC (24 hours): +1-703-527-3887
Company Name (CA)	Zoetis Canada Inc. 16740 Trans-Canada Highway Kirkland, Quebec, H9H 4M7
Emergency telephone number	International CHEMTREC (24 hours): +1-703-527-3887
Contact E-Mail	productsupport@zoetis.com
Product Support	1-800-461-0917

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

Supplier Not available.

2. Hazard identification

Physical hazards	Not classified.	
Health hazards	Reproductive toxicity (the unborn child)	Category 2
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 3

Label elements



Signal word	Warning
Hazard statement	Suspected of damaging the unborn child. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response	IF exposed or concerned: Get medical advice/attention. Collect spillage.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental information	None.
Other hazards	None known.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Derquantel		187865-22-1	1
Abamectin		71751-41-2	0.1
Butylated hydroxytoluene		128-37-0	<0.1
1,3-Formalglycerol		86687-05-0	*
Glycerol triacetate		102-76-1	*
Propylene glycol dicaprylate-caprate		68583-51-7	*

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

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

4. 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.
Most important symptoms/effects, acute and delayed	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.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. For personal protection, see section 8 of the SDS. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
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..
Special protective equipment and precautions for firefighters	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.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapours and spray mists. Avoid contact with eyes, skin, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained.

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.

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.

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). Do not allow material to freeze. Keep away from heat, sparks and open flame. Protect from sunlight. Store in original tightly closed container. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

Zoetis

Components

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

US. ACGIH Threshold Limit Values

Components

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

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

Components

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

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components

	Type	Value	Form
Butylated hydroxytoluene (CAS 128-37-0)	TWA	2 mg/m ³	Vapor and aerosol, inhalable.

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

Components

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

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

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

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

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

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)

Components	Type	Value	Form
Butylated hydroxytoluene (CAS 128-37-0)	15 minute	4 mg/m ³	Inhalable fraction and vapour.
	8 hour	2 mg/m ³	Inhalable fraction and vapour.

Biological limit values	No biological exposure limits noted for the ingredient(s).
Control banding approach	Not available.
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, such as personal protective equipment	
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.
General hygiene considerations	Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties**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	
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 information	
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	Hazardous polymerisation does not occur.
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 likely 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 the physical, chemical and toxicological characteristics

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.

Information on toxicological 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

Inhalation*Mist*

LC50/4h Rat > 5.04 mg/l

Oral

LD50 Rat 9000 mg/kg

Components	Species	Test Results
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Abamectin (CAS 71751-41-2)

Acute**Dermal**

LD50 Rabbit > 330 mg/kg

Inhalation*Dust*

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

Components	Species	Test Results
Derquantel (CAS 187865-22-1)		
<u>Acute</u>		
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)
<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 triacetate (CAS 102-76-1)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 5 g/kg
Oral		
LD50	Rat	3000 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/eye 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	

Eye contact

Derquantel

Species: Rabbit
Severity: Minimal

Butylated hydroxytoluene

Species: Rabbit
Severity: Moderate**Respiratory or skin sensitisation****Canada - Alberta OELs: Irritant**

Butylated hydroxytoluene (CAS 128-37-0)

Irritant

Respiratory sensitisation Not a respiratory sensitiser.**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

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 HepatocyteIn Vitro Mammalian Cell Mutagenicity
Result: Negative
Species: HamsterIn Vivo Bone Marrow Metaphase Analysis
Result: Negative
Species: Mouse

Derquantel

In Vivo Micronucleus
Result: Negative
Species: Mouse Bone MarrowIn 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.

Canada - Manitoba OELs: carcinogenicity

Butylated hydroxytoluene (CAS 128-37-0)

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

Suspected of damaging the unborn child.

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

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**

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

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)		
Aquatic		
<i>Acute</i>		
Algae	EC50	Pseudokirchneriella subcapitata (Green Alga) 1.59 mg/l, 72 Hours (ErC50)
Crustacea	EC50	Daphnia magna (Water Flea) 0.0001 mg/l, 48 Hours
	LC50	Mysidopsis bahia (Mysid Shrimp) < 0.0001 mg/l, 96 Hours
Fish	LC50	Lepomis macrochirus (Bluegill Sunfish) 0.096 mg/l, 96 Hours
		Oncorhynchus mykiss (rainbow trout) 0.003 mg/l, 96 Hours

Components		Species	Test Results
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna (Water Flea)	0.01 mg/l, 21 day(s)
Derquantel (CAS 187865-22-1)			
	EC50	Skeletonema costatum (Marine Diatom)	55 mg/l, 96 Hours
	NOEC	Activated sludge	> 100 mg/l (Surrogate)
Aquatic			
Algae	EC50	Pseudokirchneriella subcapitata (Green Alga)	> 47.1 mg/l, 72 Hours (ErC50)
Crustacea	EC50	Daphnia magna (Water Flea)	21.17 mg/l, 48 Hours
	NOEC	Daphnia magna (Water Flea)	0.044 mg/l, 21 day(s) (Effect: Reproduction)
Fish	LC50	Cyprinodon variegatus (Sheepshead Minnow)	> 2.2 mg/l, 96 Hours
		Oncorhynchus mykiss (rainbow trout)	57.7 mg/l, 96 Hours

Persistence and degradability In the environment, the active ingredient in this formulation is expected to be 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.

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 instructions 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.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products 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.

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

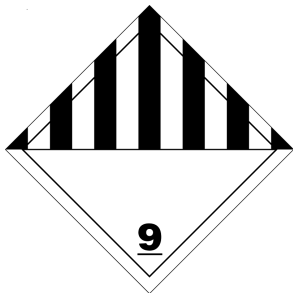
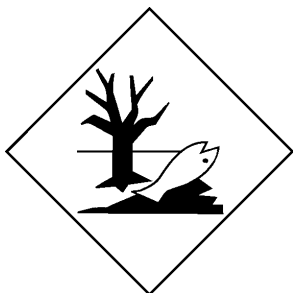
14. Transport information

TDG

UN number	UN3082
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
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	UN3082
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** UN3082**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Abamectin), MARINE POLLUTANT**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; TDG****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**Canadian regulations**

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

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations**Stockholm Convention**

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of 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
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)	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**Revision date** 24-October-2022**Version No.** 02**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** Identification: Recommended restrictions
Composition / Information on Ingredients: Ingredients
Composition/information on ingredients: Composition comments
Accidental release measures: Methods and materials for containment and cleaning up
Handling and storage: Conditions for safe storage, including any incompatibilities
Toxicological Information: Toxicological Property Data
Toxicological information: Specific target organ toxicity - single exposure
Transport Information: Material Transportation Information