

# SAFETY DATA SHEET



## 1. Identification

<b>Product identifier</b>	<b>Danofloxacin mesylate injectable solution</b>
<b>Other means of identification</b> <b>Synonyms</b>	ADVOCID™ * ADVOCIN™ * A180® * A180® Sterile Injectable Solution * Advocid 180 * Advocin 180 * ADVOCIN Sterile Injectable Solution * Advocin Injectable Solution
<b>Recommended use</b>	Veterinary product used as antibiotic agent
<b>Recommended restrictions</b>	Not for human use

### Manufacturer/Importer/Supplier/Distributor information

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

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Germ cell mutagenicity	Category 2
	Specific target organ toxicity following repeated exposure	Category 2 (connective tissue, Reproductive system, nervous system, heart, kidney)
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3

### Label elements



**Signal word** Warning

<b>Hazard statement</b>	Suspected of causing genetic defects. May cause damage to organs (connective tissue, Reproductive system, nervous system, heart, kidney) through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
<b>Precautionary statement</b>	
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist/vapours. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	IF exposed or concerned: Get medical advice/attention.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Supplemental information</b>	Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. Drugs of this class have been associated with rare, but potentially serious cardiac events. These effects have not been observed from occupational exposures, however, those with preexisting cardiovascular illnesses may be at increased risk from exposure.
<b>Other hazards</b>	None known.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
2-Pyrrolidone		616-45-5	20
Danofloxacin mesylate		119478-55-6	18
Magnesium oxide		1309-48-4	2.03
Phenol		108-95-2	< 1
Other components below reportable levels			59.72

ATE: Acute toxicity estimate.

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

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In the event of accidental self injection or needle stick injury, wash the injury thoroughly with clean running water. Get medical attention immediately.
<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 immediately.
<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.
<b>Most important symptoms/effects, acute and delayed</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Prolonged exposure may cause chronic effects.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
<b>General information</b>	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. IF exposed or concerned: Get medical advice/attention. For personal protection, see section 8 of the SDS.

### 5. Fire-fighting measures

<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.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Avoid contact with eyes, skin, and clothing. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Wear personal protective equipment 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.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Do not breathe mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Avoid accidental injection.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store locked up. Store as directed by product packaging. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### Zoetis

Components	Type	Value
Danofloxacin mesylate (CAS 119478-55-6)	TWA	200 µg/m3

#### US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
Phenol (CAS 108-95-2)	TWA	5 ppm	

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

Components	Type	Value	Form
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Fume.
Phenol (CAS 108-95-2)	TWA	19 mg/m3 5 ppm	

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

Components	Type	Value	Form
Magnesium oxide (CAS 1309-48-4)	STEL	10 mg/m3	Respirable dust and/or fume.
	TWA	3 mg/m3	Respirable dust and/or fume.
		10 mg/m3	Inhalable fume.
Phenol (CAS 108-95-2)	TWA	5 ppm	

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

Components	Type	Value	Form
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
Phenol (CAS 108-95-2)	TWA	5 ppm	

**Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191)**

Components	Type	Value	Form
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
Phenol (CAS 108-95-2)	TWA	5 ppm	

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended**

Components	Type	Value	Form
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
Phenol (CAS 108-95-2)	TWA	5 ppm	

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

Components	Type	Value	Form
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable dust.
Phenol (CAS 108-95-2)	TWA	19 mg/m3 5 ppm	

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

Components	Type	Value	Form
Magnesium oxide (CAS 1309-48-4)	15 minute	20 mg/m3	Inhalable fraction.
	8 hour	10 mg/m3	Inhalable fraction.
Phenol (CAS 108-95-2)	15 minute	7.5 ppm	
	8 hour	5 ppm	

**Biological limit values****ACGIH Biological Exposure Indices (BEI)**

Components	Value	Determinant	Specimen	Sampling Time
Phenol (CAS 108-95-2)	250 mg/g	Phenol with hydrolysis	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Exposure guidelines****Canada - Alberta OELs: Skin designation**

Phenol (CAS 108-95-2) Can be absorbed through the skin.

**Canada - British Columbia OELs: Skin designation**

Phenol (CAS 108-95-2) Can be absorbed through the skin.

**Canada - Manitoba OELs: Skin designation**

Phenol (CAS 108-95-2) Danger of cutaneous absorption

**Canada - Ontario OELs: Skin designation**

Phenol (CAS 108-95-2) Can be absorbed through the skin.

**Canada - Quebec OELs: Skin designation**

Phenol (CAS 108-95-2) Can be absorbed through the skin.

**Canada - Saskatchewan OELs: Can be absorbed through the skin.**

Phenol (CAS 108-95-2) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

Phenol (CAS 108-95-2) Danger of cutaneous absorption

**Control banding approach** Not available.

<b>Appropriate engineering controls</b>	Good general ventilation 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. Provide eyewash station and safety shower.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves. Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.
<b>Other</b>	Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.
<b>Respiratory protection</b>	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.
<b>Thermal hazards</b>	Not applicable.
<b>General hygiene considerations</b>	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

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Boiling point or initial boiling point and boiling range</b>	Not available.
<b>Flammability</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit – upper (%)</b>	Not available.
<b>Flash point</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>pH</b>	7.5
<b>Kinematic viscosity</b>	Not available.
<b>Solubility</b>	
<b>Solubility (water)</b>	Soluble
<b>Partition coefficient (n-octanol/water) (log value)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Density and/or relative density</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Particle characteristics</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidising agents.
<b>Hazardous decomposition products</b>	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. Under normal conditions of intended use, this material is not expected to be an inhalation hazard. May cause hypersensitivity reactions in susceptible individuals.

**Skin contact** Prolonged skin contact may cause temporary irritation. May cause hypersensitivity reactions in susceptible individuals. Photosensitivity may occur.

Danofloxacin mesylate Species: Rabbit  
Severity: Mild

Phenol Species: Rabbit  
Severity: Severe

**Eye contact** Direct contact with eyes may cause temporary irritation.

Danofloxacin mesylate Species: Rabbit  
Severity: No effect

Phenol Species: Rabbit  
Severity: Severe

**Ingestion** Ingestion may result in mild gastrointestinal irritation with nausea, vomiting, or diarrhea. However, ingestion is not likely to be a primary route of occupational exposure.

**Symptoms related to the physical, chemical and toxicological characteristics** Narcosis. Behavioural changes. Decrease in motor functions. Direct contact with eyes may cause temporary irritation. Difficulty in breathing. Exposure may cause temporary irritation, redness, or discomfort. Rash. Oedema. Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. (allergic skin rash); Quinolones may effect connective tissue structures. Tendonitis and tendon rupture have occurred as late as several months after quinolone treatment. Convulsions, increased intracranial pressure, and toxic psychosis have been reported in patients receiving quinolones. The most common adverse reactions associated with the use of quinolones include gastrointestinal distress, such as nausea or diarrhea, and central nervous system (CNS) effects, including insomnia, dizziness, and seizures. sensory/motor nerve injury (peripheral neuropathy) may occur.

### Information on toxicological effects

**Acute toxicity** Not acutely toxic

Product	Species	Test Results
Danofloxacin mesylate injectable solution		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 5000 mg/kg (ATE)
<b>Inhalation</b>		
LC50	Rat	> 10 mg/l (ATE)
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg (ATE)

Components	Species	Test Results
2-Pyrrolidone (CAS 616-45-5)		
<u>Acute</u>		
Oral		
LD50	Rat	6500 mg/kg
Danofloxacin mesylate (CAS 119478-55-6)		
<u>Acute</u>		
Intravenous		
LD50	Mouse	50 - 100 mg/kg
	Rat	100 - 150 mg/kg
Oral		
LD50	Mouse	> 2000 mg/kg
	Rat	> 2000 mg/kg
<u>Chronic</u>		
Oral		
LOEL	Rat	10 mg/L/day, 2 years [Effect(s): Tumors, Female reproductive system (Female rat)]
		10 mg/kg/day, 2 years [Target organ(s): Kidney, Male reproductive system]
<u>Subchronic</u>		
Oral		
LOEL	Rat	25 mg/kg/day, 3 months [Target organ(s): Kidney, Heart, Male reproductive system]
NOEL	Dog	2.4 mg/kg/day, 90 days [Target organ(s): Skeletal muscle]
Magnesium oxide (CAS 1309-48-4)		
<u>Acute</u>		
Oral		
LD50	Rat	3870 mg/kg
Phenol (CAS 108-95-2)		
<u>Acute</u>		
Dermal		
LD50	Rat	669 mg/kg
Inhalation		
LC50	Rat	316 mg/m3
Oral		
LD50	Rat	317 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Corrosivity		
Danofloxacin mesylate	Species: Rabbit Severity: Mild	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Eye contact		
Danofloxacin mesylate	Species: Rabbit Severity: No effect	
Phenol	Species: Rabbit Severity: Severe	

## Respiratory or skin sensitisation

### Canada - Alberta OELs: Irritant

Magnesium oxide (CAS 1309-48-4)

Irritant

#### Respiratory sensitisation

Due to partial or complete lack of data the classification is not possible. Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions.

#### Skin sensitisation

Due to partial or complete lack of data the classification is not possible. Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. Skin sensitization and/or photosensitization potential (allergic response after UV exposure) of other quinolones have been demonstrated in guinea pigs, mice, and humans.

## Germ cell mutagenicity

Suspected of causing genetic defects.

### Mutagenicity

Danofloxacin mesylate

Bacterial Mutagenicity (Ames)

Result: Negative

Species: Salmonella

In Vitro Cytogenetics

Result: Negative

Species: Human lymphocytes

In Vivo Cytogenetics

Result: Negative

Species: Mouse Bone Marrow

Mammalian Cell Mutagenicity

Result: Negative

Species: Mouse Lymphoma

Unscheduled DNA Synthesis

Result: Negative

Species: Rat Hepatocyte

## Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

### ACGIH Carcinogens

Magnesium oxide (CAS 1309-48-4)

A4 Not classifiable as a human carcinogen.

Phenol (CAS 108-95-2)

A4 Not classifiable as a human carcinogen.

### Canada - Manitoba OELs: carcinogenicity

Magnesium oxide (CAS 1309-48-4)

Not classifiable as a human carcinogen.

Phenol (CAS 108-95-2)

Not classifiable as a human carcinogen.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Phenol (CAS 108-95-2)

3 Not classifiable as to carcinogenicity to humans.

## Reproductive toxicity

Due to partial or complete lack of data the classification is not possible. Repeat-dose studies in animals have shown a potential to cause adverse effects on testes. Possible risk of impaired fertility. Classification not possible. No evidence of teratogenicity or embryotoxicity was observed for danofloxacin in mice, rats, or rabbits.

### Developmental effects

Danofloxacin mesylate

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

Result: NOEL

Species: Mouse

Organ: Oral

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

Result: NOEL

Species: Rat

Organ: Oral



**Reproductivity**

Danofloxacin mesylate

6.25 mg/kg/day Reproductive &amp; Fertility, Fertility

Result: NOEL

Species: Rat

Organ: Oral

**Specific target organ toxicity - single exposure**

Not classified.

**Specific target organ toxicity - repeated exposure**

May cause damage to organs (connective tissue, Reproductive system, nervous system, heart, kidney) through prolonged or repeated exposure.

**Aspiration hazard**

Not an aspiration hazard.

**Chronic effects**

Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.

**Further information**

Possible risks of irreversible effects. sensory/motor nerve injury (peripheral neuropathy) may occur. This compound may cause cartilage deterioration in knee joints. Quinolones may effect connective tissue structures. Tendonitis and tendon rupture have occurred as late as several months after quinolone treatment. Drugs of this class have been associated with rare, but potentially serious cardiac events. These effects have not been observed from occupational exposures, however, those with preexisting cardiovascular illnesses may be at increased risk from exposure.

**12. Ecological information****Ecotoxicity**

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

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

2-Pyrrolidone (CAS 616-45-5)

**Aquatic**

Crustacea

LC50

Daphnia magna (Water Flea)

13.21 mg/l, 48 Hours

*Acute*

Crustacea

EC50

Water flea (Daphnia pulex)

13.21 mg/l, 48 hours

Danofloxacin mesylate (CAS 119478-55-6)

IC50

Champia

2.7 mg/l, 168 Hours

Polytox

0.92 mg/l

**Aquatic**

Crustacea

LC50

Daphnia magna (Water Flea)

63.5 mg/l, 48 Hours

Mysidopsis bahia (Mysid Shrimp)

&gt; 100 mg/l, 48 Hours

Fish

LC50

Cyprinodon variegatus (Sheepshead Minnow)

&gt; 100 mg/l, 48 Hours

Phenol (CAS 108-95-2)

**Aquatic***Acute*

Crustacea

EC50

Water flea (Daphnia magna)

4.24 - 10.7 mg/l, 48 hours

Fish

LC50

Asiatic knifefish (Notopterus notopterus)

6.85 mg/l, 96 hours

**Persistence and degradability**

No data available for this product.

**Bioaccumulative potential**

No data available.

**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

<b>Disposal instructions</b>	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. Dispose of contents/container in accordance with local/regional/national/international regulations. 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.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</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>TDG</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

<b>Canadian regulations</b>	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.
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### 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

Country(s) or region	Inventory name	On inventory (yes/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)	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>	31-May-2017
<b>Revision date</b>	18-February-2025
<b>Version No.</b>	02
<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.