SAFETY DATA SHEET



1. Identification

Product identifier	Moxidectin Oral Gel
Other means of identification	
Synonyms	QUEST® Gel * QUEST GEL * QUEST® 2% Equine Oral Gel * Moxidectin equine oral gel
Recommended use	Veterinary product used as anti-worm agent (anthelmintic)
Recommended restrictions	Not for human use
Manufacturer/Importer/Supplier/	Distributor information
Company Name (US)	Zoetis Inc.
	10 Sylvan Way
	Parsippany, New Jersey 07054 (USA)
Rocky Mountain Poison and Drug Center	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 (EU)	Zoetis Belgium S.A.
	Rue Laid Burniat 1
	1348 Louvain-la-Neuve
	Belgium
Telephone:	+32 10 808080
Emergency telephone number	International CHEMTREC (24 hours): +1-703-527-3887
Contact E-Mail	VMIPSrecords@zoetis.com
2. Hazard(s) identification	

Physical hazards	Not classified.	
Health hazards	Specific target organ toxicity, repeated exposure	Category 2 (central nervous system)
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
OSHA defined hazards	Not classified.	

Label elements



Signal word	Warning
Hazard statement	May cause damage to organs (central nervous system) through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.
Precautionary statement	
Prevention	Do not breathe dust/fume/gas/mist/vapors/spray. Avoid release to the environment.
Response	Get medical advice/attention if you feel unwell. Collect spillage.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Mixtures

Mixtures			
Chemical name	Common name and synonyms	CAS number	%
Benzyl alcohol		100-51-6	4
Moxidectin		113507-06-5	2
Composition comments	In accordance with 29 CFR 1910.1200, the e withheld as a trade secret.	xact percentage composition of	this mixture has been
4. First-aid measures			
Inhalation	Move to fresh air. Call a physician if sympton may be necessary.	ns develop or persist. For breath	ing difficulties, oxygei
Skin contact	Wash off immediately with soap and plenty o unwell. Get medical attention if irritation deve before reuse.		
Eye contact	Rinse thoroughly with plenty of water for at le contact lenses, if present and easy to do.	east 15 minutes and consult a ph	ysician. Remove
Ingestion	Rinse mouth. Call a physician or poison cont instruction of medical personnel. Never give		
Most important symptoms/effects, acute and delayed	May cause central nervous system disorder (weakness, fatigue, mental confusion and blu may cause temporary irritation. Exposed indi discomfort.	rred vision) and/or damage. Dire	ct contact with eyes
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and tre Symptoms may be delayed. May cause cent		under observation.
General information	IF exposed or concerned: Get medical advice of the material(s) involved, and take precaution		personnel are aware
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carl	oon dioxide (CO2).	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as the	nis will spread the fire.	
Specific hazards arising from the chemical	During fire, gases hazardous to health may b	e formed.	
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	rotective clothing must be worn	in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers	5.	

Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.

6. Accidental release measures

Specific methods General fire hazards

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. 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. Avoid contact with eyes, skin, and clothing. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up	Avoid release to the environment. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent entry into waterways, sewer, basements or confined areas. Ensure adequate ventilation.
	Large Spills: Stop the flow of material, if this is without risk. Clean surface thoroughly to remove residual contamination.
	Small Spills: 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. Clean contaminated surface thoroughly.
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. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Do not breathe mist or vapor. Do not taste or swallow. Use this product with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Store in tightly closed container. Store in a well-ventilated place. Do not allow material to freeze. Store at 15-30°C (59-86°F). Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Zoetis Components	Туре	Value
Moxidectin (CAS 113507-06-5)	TWA	70 µg/m3
US. Workplace Environme	ntal Exposure Level (WEEL) Guides	
Components	Туре	Value
Benzyl alcohol (CAS 100-51-6)	TWA	44.2 mg/m3
		10 ppm
ological limit values	No biological exposure limits noted for	the ingredient(s).
ontrol banding approach	Moxidectin - Zoetis OEB 3 (control exp	osure to the range of 10ug/m3 to < 100ug/m3)
opropriate engineering Introls	applicable, use process enclosures, lo maintain airborne levels below recomn established, maintain airborne levels to especially in confined areas. Provide e exposure limits or within the OEB rang	ed. Ventilation rates should be matched to conditions. If cal exhaust ventilation, or other engineering controls to nended exposure limits. If exposure limits have not been o an acceptable level. Ensure adequate ventilation, yewash station. Keep air contamination levels below the e listed above in this section. Engineering controls should ol exposures. General room ventilation is adequate unless rosols.
-	s, such as personal protective equipme	
Eye/face protection	Wear safety glasses or goggles if eye	contact is possible.
Skin protection Hand protection	Wear appropriate chemical resistant gl with drug product is possible and for be	oves. Impervious gloves are recommended if skin contact ulk processing operations.
Other	Wear suitable protective clothing. Use of an impervious apron is recommended. Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.	
Respiratory protection	vapor cartridge, full facepiece, dust an	ipment normally required. Chemical respirator with organic d mist filter. If the applicable Occupational Exposure Limit te respirator with a protection factor sufficient to control
Thermal hazards	Not applicable.	

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

5. Thysical and chemical p	hopenies
Appearance	Gel.
Physical state	Liquid.
Form	Solid.
Color	Clear.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor 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.
Oxidizing properties	Not oxidizing.
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	Keep away from heat, spark, open flames and other sources of ignition. Contact with incompatible materials. Protect from freezing. Avoid release to the environment.
Incompatible materials	Avoid contact with oxidizers or reducing agents.
Hazardous decomposition products	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Carbon dioxide, carbon monoxide, and oxides of nitrogen.
11. Toxicological informat	ion
Information on likely routes of e	xposure
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard. Prolonged inhalation may be harmful.
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Denty/ cleaned	Species: Cuipes Dig

	dominatio.
Benzyl alcohol	Species: Guinea Pig Severity: Moderate

Skin contact		
Moxidectin		ecies: Rabbit
	Se	verity: Mild
Benzyl alcohol		ecies: Rabbit
	Se	verity: Minimal
Eye contact	Direct contact with eyes may caus	e temporary irritation
Moxidectin		ecies: Rabbit
Moxidoodin		verity: Moderate
Denzyl elechel	S-1	asias: Dabhit
Benzyl alcohol		ecies: Rabbit verity: Severe
Ingestion	May cause discomfort if swallowed	I.
Symptoms related to the		n disorder (e.g., narcosis involving a loss of
physical, chemical and toxicological characteristics		nental confusion and blurred vision) and/or damage. e temporary irritation. Exposed individuals may
	experience eye tearing, redness, a	
Information on toxicological eff	ects	
Acute toxicity	Not acutely toxic	
Product	Species	Test Results
Moxidectin Oral Gel		
<u>Acute</u>		
Dermal		
ATE		> 10000 mg/kg
Oral		
ATE		4345 mg/kg
Components	Species	Test Results
Benzyl alcohol (CAS 100-51-6)		
Acute		
Dermal		
	Dabbit	
LD50	Rabbit	2000 mg/kg
Inhalation		
	Rabbit Rat	> 4.178 mg/L
Inhalation LC50		
Inhalation LC50 Oral	Rat	> 4.178 mg/L 1000 mg/l, 8 Hours
Inhalation LC50	Rat Mouse	> 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg
Inhalation LC50 Oral LD50	Rat	> 4.178 mg/L 1000 mg/l, 8 Hours
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5)	Rat Mouse	> 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) <u>Acute</u>	Rat Mouse	> 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) <u>Acute</u> Dermal	Rat Mouse Rat	> 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg 1230 mg/kg
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) Acute Dermal LD50	Rat Mouse	> 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) <u>Acute</u> Dermal	Rat Mouse Rat	> 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg 1230 mg/kg > 2000 mg/kg
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) Acute Dermal LD50 Oral LD50	Rat Mouse Rat Rat	> 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg 1230 mg/kg
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) <u>Acute</u> Dermal LD50 Oral	Rat Mouse Rat Rat	> 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg 1230 mg/kg > 2000 mg/kg
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) Acute Dermal LD50 Oral LD50 Cral LD50	Rat Mouse Rat Rat	> 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg 1230 mg/kg > 2000 mg/kg
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) Acute Dermal LD50 Oral LD50 Oral LD50 Chronic Oral	Rat Mouse Rat Rat	 > 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg 1230 mg/kg > 2000 mg/kg 106 mg/kg
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) Acute Dermal LD50 Oral LD50 Chronic Oral NOEL	Rat Mouse Rat Rat Rat	 > 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg 1230 mg/kg > 2000 mg/kg 106 mg/kg 30 mg/kg/day, 2 years (Not carcinogenic)
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) Acute Dermal LD50 Oral LD50 Oral LD50 Chronic Oral	Rat Mouse Rat Rat Rat	 > 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg 1230 mg/kg > 2000 mg/kg 106 mg/kg 30 mg/kg/day, 2 years (Not carcinogenic)
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) Acute Dermal LD50 Oral LD50 Oral LD50 Chronic Oral NOEL	Rat Mouse Rat Rat Rat	 > 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg 1230 mg/kg > 2000 mg/kg > 2000 mg/kg 106 mg/kg 30 mg/kg/day, 2 years (Not carcinogenic) 100 mg/kg/day, 2 years (Not carcinogenic) 100 mg/kg/day, 28 days (Central Nervous)
Inhalation LC50 Oral LD50 Moxidectin (CAS 113507-06-5) Acute Dermal LD50 Oral LD50 Oral LD50 Chronic Oral NOEL Subacute Oral	Rat Rat Rat Rat Mouse Rat	 > 4.178 mg/L 1000 mg/l, 8 Hours 1580 mg/kg 1230 mg/kg > 2000 mg/kg > 2000 mg/kg 106 mg/kg 30 mg/kg/day, 2 years (Not carcinogenic) 100 mg/kg/day, 2 years (Not carcinogenic)

Corrosivity Moxidectin Erious eye damage/eye rritation Eye Contact Moxidectin Benzyl alcohol Respiratory or skin sensitization Respiratory sensitization	Mouse Dog Rat Frequent or prolonged contact Direct contact with eyes may ca	Species: Rabbit Severity: Moderate
Oral NOEL Skin corrosion/irritation Corrosivity Moxidectin Serious eye damage/eye rritation Eye Contact Moxidectin Benzyl alcohol Respiratory or skin sensitization Respiratory sensitization Skin sensitization Skin sensitization	Rat Frequent or prolonged contact	System) 50 mg/kg/day, 13 weeks (Central Nervoi System) may defat and dry the skin, leading to discomfort and dermatitis Species: Rabbit Severity: Mild ause temporary irritation. Species: Rabbit Severity: Moderate
NOEL kin corrosion/irritation Corrosivity Moxidectin erious eye damage/eye ritation Eye Contact Moxidectin Benzyl alcohol espiratory or skin sensitization Respiratory sensitization Skin sensitization Skin sensitization	Rat Frequent or prolonged contact	System) 50 mg/kg/day, 13 weeks (Central Nervoi System) may defat and dry the skin, leading to discomfort and dermatitis Species: Rabbit Severity: Mild ause temporary irritation. Species: Rabbit Severity: Moderate
skin corrosion/irritation Corrosivity Moxidectin Serious eye damage/eye rritation Eye Contact Moxidectin Benzyl alcohol Respiratory or skin sensitization Respiratory sensitization Skin sensitization Skin sensitization	Rat Frequent or prolonged contact	System) 50 mg/kg/day, 13 weeks (Central Nervoi System) may defat and dry the skin, leading to discomfort and dermatitis Species: Rabbit Severity: Mild ause temporary irritation. Species: Rabbit Severity: Moderate
Corrosivity Moxidectin Erious eye damage/eye rritation Eye Contact Moxidectin Benzyl alcohol Respiratory or skin sensitization Respiratory sensitization Skin sensitization Skin sensitization	Frequent or prolonged contact	System) may defat and dry the skin, leading to discomfort and dermatitis Species: Rabbit Severity: Mild ause temporary irritation. Species: Rabbit Severity: Moderate
Corrosivity Moxidectin Erious eye damage/eye rritation Eye Contact Moxidectin Benzyl alcohol Respiratory or skin sensitization Respiratory sensitization Skin sensitization Skin sensitization		Species: Rabbit Severity: Mild ause temporary irritation. Species: Rabbit Severity: Moderate
Moxidectin erious eye damage/eye rritation Eye Contact Moxidectin Benzyl alcohol Respiratory or skin sensitization Respiratory sensitization Skin sensitization Skin sensitization	Direct contact with eyes may ca	Severity: Mild ause temporary irritation. Species: Rabbit Severity: Moderate
ritation Eye Contact Moxidectin Benzyl alcohol Respiratory or skin sensitization Respiratory sensitization Skin sensitization Skin sensitization	Direct contact with eyes may ca	Species: Rabbit Severity: Moderate
Moxidectin Benzyl alcohol Respiratory or skin sensitization Respiratory sensitization Skin sensitization Skin sensitization		Severity: Moderate
Benzyl alcohol Respiratory or skin sensitization Respiratory sensitization Skin sensitization Skin sensitization		Severity: Moderate
Respiratory or skin sensitization Respiratory sensitization Skin sensitization Skin sensitization		Species: Pabhit
Respiratory sensitization Skin sensitization Skin sensitization		Species: Rabbit Severity: Severe
Skin sensitization Skin sensitization		
Skin sensitization	Not a respiratory sensitizer.	
	This product is not expected to	cause skin sensitization.
Moxidectin		
		Species: Guinea Pig Severity: Negative
	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Mutagenicity		
Moxidectin		In Vitro Bacterial Mutagenicity (Ames)
		Result: Negative Species: Salmonella, E. coli
		In Vitro HGPRT Forward Gene Mutation Assay
		Result: Negative Species: Chinese Hamster Ovary (CHO) cells
		In Vivo Cytogenetics
		Result: Negative
		Species: Rat Bone Marrow
		In Vivo Unscheduled DNA Synthesis
		Result: Negative Species: Rat Hepatocyte
carcinogenicity	Not listed as a carcinogen by IA	ARC, NTP or US OSHA.
IARC Monographs. Overall Ev	valuation of Carcinogenicity	
Not listed. OSHA Specifically Regulated	Substances (29 CFR 1910.10	01-1053)
Not listed. US. National Toxicology Prog Not listed.	ram (NTP) Report on Carcino	gens
	This product is not expected to	cause reproductive or developmental effects. Based on availab
	data, the classification criteria a	CAUSE ICDIVAULING OF ACTEUDITICITICAL CITEULS. DASED OF AVAILAD

Developmental effects Moxidectin		 mg/kg/day Embryo / Fetal Development, (Maternal toxicity, Not teratogenic) Result: NOEL Species: Rabbit Organ: Oral route 5 mg/kg/day Embryo / Fetal Development, (Negative) Result: NOEL Species: Rat Organ: Oral route 5 mg/kg/day Embryo / Fetal Development, (Not Teratogenic, Embryotoxicity, Maternal Toxicity) Result: NOEL Species: Rat Organ: Oral route
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	May cause damage to organs exposure.	(central nervous system) through prolonged or repeated
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be l or repeated exposure.	harmful. May cause damage to organs through prolonged
Further information	Adverse effects associated wi	ith therapeutic use include clumsy motion of limbs/trunk

(ataxia), drowsiness, depression, and salivation.

12. Ecological information

Ecotoxicity

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

51-6)		
EC50	Pseudokirchneriella subcapitata (Green Alga)	500 mg/L, 72 Hours
EC50	Daphnia magna (Water Flea)	230 mg/L, 48 Hours
		66 mg/L, 21 Day(s) Reproduction
LC50	Pimephales promelas (Fathead Minnow)	460 mg/L, 96 Hours
LC50	Bluegill (Lepomis macrochirus)	10 mg/l, 96 hours
06-5)		
ErC50	Green algae (Selenastrum capricornutum)	> 87 ppb, 72 Hours
EC50	Daphnia magna (Water Flea)	30 ppt, 48 Hours
LC50	Lepomis macrochirus (Bluegill Sunfish)	0.62 ppb, 96 Hours
	Oncorhynchus mykiss (Rainbow Trout)	0.16 ppb, 96 Hours
y The active in	gredient in this formulation is expected to bi	ind to soil or sediment.
-	radation)	
	92 - 96 % Test Duration: 28 days	
See below		
tanol / water (log	1.1	
	EC50 LC50 LC50 b6-5) ErC50 LC50 y The active in (Aerobic biodeg See below	Alga) EC50 Daphnia magna (Water Flea) LC50 Pimephales promelas (Fathead Minnow) LC50 Bluegill (Lepomis macrochirus) 06-5) ErC50 Green algae (Selenastrum capricornutum) EC50 Daphnia magna (Water Flea) LC50 Lepomis macrochirus (Bluegill Sunfish) Oncorhynchus mykiss (Rainbow Trout) y The active ingredient in this formulation is expected to bi (Aerobic biodegradation) 92 - 96 % Test Duration: 28 days See below tanol / water (log Kow)

Partition coefficient n-octanol / water (log Kow)			
Moxidectin	4.77		
Mobility in soil	The active ingredient in this formulation is expected to bind to soil or sediment.		
Adsorption Soil/sediment sorption Moxidectin	- log Koc 4.3 - 4.6		
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. 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			
DOT			
UN number UN proper shipping name Transport bazard class(os)	UN3082 Environmentally hazardous substances, liquid, n.o.s. (Moxidectin)		

UN number	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (Moxidectin)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Label(s)	9
Packing group	
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Not available.
Special provisions	8, 146, 335, IB3, T4, TP1, TP29
Packaging exceptions	155
Packaging non bulk	203
Packaging bulk	241
ΙΑΤΑ	
UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Moxidectin)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	Yes
ERG Code	9L
Special precautions for user	Not available.
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Moxidectin), 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	Not available.
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78 and	
the IBC Code	

9

Marine pollutant

DOT: IATA; IMDG



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

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	Yes
Classified hazard categories	Specific target organ toxicity (single or repeated exposure)
SARA 313 (TRI reporting) Not regulated.	
Other federal regulations	
Clean Air Act (CAA) Section	112 Hazardous Air Pollutants (HAPs) List
Not regulated.	
0	112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.	

Safe Drinking Water Act Not regulated. (SDWA)

US state regulations

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

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	Yes
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, including date of preparation or last revision

Issue date	08-18-2013
Revision date	07-05-2022
Version #	05
List of abbreviations	AICIS: Australian Inventory of Industrial Chemicals. ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
Disclaimer	Zoetis Inc. believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time. The information in the sheet was written based on the best knowledge and experience currently available.
Revision information	Transport Information: Material Transportation Information