

# SAFETY DATA SHEET



## Section 1 - Identification

<b>Product identifier</b>	<b>DECTOMAX (Doramectin) Pour-On Solution</b>
<b>Other means of identification</b>	
<b>Synonyms</b>	DECTOMAX® * Dectomax Pour On Endectocide * DECTOMAX Pour-on
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Recommended use</b>	Veterinary antiparasitic
<b>Restrictions on use</b>	Not for human use
<b>Details of manufacturer or importer</b>	
<b>Company Name (AU)</b>	Zoetis Australia Pty Ltd ABN 94 156 476 425 Level 6, 5 Rider Boulevard Rhodes NSW 2138 AUSTRALIA
<b>Tel</b>	1800 814 883
<b>Fax</b>	(02) 8876 0444
<b>Email</b>	productsupport.au@zoetis.com
<b>Emergency Phone</b>	1800 814 883 (all hours)
<b>Police and Fire Brigade</b>	Dial 000
<b>If ineffective</b>	Dial Poisons Information Centre (13 1126 from anywhere in Australia)

## Section 2 - Hazard(s) identification

### Classification of the hazardous chemical

<b>Physical hazards</b>	Flammable liquids	Category 2
<b>Health hazards</b>	Serious eye damage/eye irritation	Category 2A
	Reproductive toxicity	Effects on or via lactation
	Specific target organ toxicity following single exposure	Category 3 narcotic effects
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1

### Label elements, including precautionary statements

#### Hazard symbol(s)



#### Signal word

Danger

#### Hazard statement(s)

Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness. May cause harm to breast-fed children. Very toxic to aquatic life with long lasting effects.

#### Precautionary statement(s)

##### Prevention

Obtain special instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Keep cool. Ground and bond container and receiving equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe mist/vapours. Avoid contact during pregnancy and while nursing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

<b>Response</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish. Collect spillage.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Supplemental information</b>	None.
<b>Other hazards which do not result in classification</b>	None known.

### Section 3 - Composition and information on ingredients

#### Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients (%)
Isopropyl alcohol	67-63-0	60-85
Doramectin	117704-25-3	0.5
Triethanolamine	102-71-6	<0.1

### Section 4 - First aid measures

#### Description of necessary first aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a POISON CENTRE or doctor/physician if you feel unwell.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention 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>Personal protection for first-aid responders</b>	Take off all contaminated clothing immediately. In case of shortness of breath, give oxygen. IF exposed or concerned: Get medical advice/attention. 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. Wash contaminated clothing before reuse. 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.
<b>Symptoms caused by exposure</b>	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation. Prolonged exposure may cause chronic effects.
<b>Medical attention and special treatment</b>	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed.

### Section 5 - Firefighting measures

<b>Specific hazards arising from the chemical</b>	Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. Highly flammable. During fire, gases hazardous to health may be formed. Vapours may ignite.
<b>Special protective equipment and precautions for fire fighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Hazchem code</b>	2Y E
<b>General fire hazards</b>	Highly flammable liquid and vapour.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## Extinguishing media

- Suitable extinguishing media** Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).
- Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

## Section 6 - Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** Keep unnecessary personnel away.
- For emergency responders** Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with eyes, skin, and clothing. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 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.

**Methods and materials for containment and cleaning up** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Ventilate the contaminated area. Take precautionary measures against static discharge. Use only non-sparking tools. Ensure adequate ventilation. 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. Ground container and transfer equipment to eliminate static electric sparks. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean surface thoroughly to remove residual contamination.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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. Use water spray to disperse vapors and dilute spill to a nonflammable mixture. For waste disposal, see section 13 of the SDS.

## Section 7 - Handling and storage

**Precautions for safe handling** Highly flammable. May be ignited by open flame. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Avoid release to the environment. Obtain special instructions before use.

Also, Industrial use: Should be handled in closed systems, if possible. Static electricity and formation of sparks must be prevented. Take measures to prevent the build up of electrostatic charge. Use only non-sparking tools. Ground container and transfer equipment to eliminate static electric sparks. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations.

**Conditions for safe storage, including any incompatibilities** Store locked up. Keep containers tightly closed in a cool, well-ventilated place. Store below 30°C. Protect from light. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. This material can accumulate static charge which may cause spark and become an ignition source. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials (see Section 10 of the SDS).

Also, Industrial use: Keep in an area equipped with sprinklers. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Use only non-sparking tools.

## Section 8 - Exposure controls and personal protection

**Control parameters** Follow standard monitoring procedures.

## Occupational exposure limits

### Zoetis

Components	Type	Value
Doramectin (CAS 117704-25-3)	TWA	200 µg/m <sup>3</sup>

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

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	STEL	1230 mg/m <sup>3</sup>
		500 ppm
	TWA	983 mg/m <sup>3</sup>
Triethanolamine (CAS 102-71-6)		400 ppm
	TWA	5 mg/m <sup>3</sup>

### US. ACGIH Threshold Limit Values

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m <sup>3</sup>

### UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	STEL	1250 mg/m <sup>3</sup>
		500 ppm
	TWA	999 mg/m <sup>3</sup>
		400 ppm

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

Components	Type	Value	Form
Isopropyl alcohol (CAS 67-63-0)	TWA	500 mg/m <sup>3</sup>	
		200 ppm	
Triethanolamine (CAS 102-71-6)	TWA	1 mg/m <sup>3</sup>	Inhalable fraction.

## Biological limit values

### Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
Isopropyl alcohol (CAS 67-63-0)	25 mg/l	ACETON	Urine	*
	25 mg/l	ACETON	Blood	*

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

### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Isopropyl alcohol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

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

**Appropriate engineering controls** Not available.

## Individual protection measures, for example personal protective equipment (PPE)

**Eye/face protection** Wear safety glasses with side shields (or goggles).

<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Wear suitable protective clothing. Use of an impervious apron is recommended. Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge, full facepiece, dust and mist filter. 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.
<b>Thermal hazards</b>	Not applicable.
<b>Hygiene measures</b>	Observe any medical surveillance requirements. When using, do not eat, drink or smoke. 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.

## Section 9 - Physical and chemical properties

<b>Appearance</b>	Clear. Solution.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Light blue.
<b>Odour</b>	Not available.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	84 °C (183.2 °F)
<b>Flash point</b>	14.4 °C (57.9 °F)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</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>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other physical and chemical parameters</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.
<b>Specific gravity</b>	0.8 @ 25C/77F

## Section 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>	Keep away from heat, spark, open flames and other sources of ignition. Sunlight. Exposure to light. Contact with incompatible materials.

**Incompatible materials** Acids. Strong oxidising agents. Chlorine. Isocyanates.  
**Hazardous decomposition products** Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

## Section 11 - Toxicological information

### Information on possible routes of exposure

**Inhalation** May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

**Skin contact** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Isopropyl alcohol  
 Result: Irritation  
 Species: Rabbit  
 Severity: Mild

Doramectin  
 Species: Rabbit  
 Severity: Non-irritating

**Eye contact** Causes serious eye irritation.

Isopropyl alcohol  
 Result: Irritation  
 Species: Rabbit  
 Severity: Severe

Doramectin  
 Species: Rabbit  
 Severity: Non-irritating

**Ingestion** Health injuries are not known or expected under normal use. May be harmful if swallowed.

**Symptoms related to exposure** May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation. Prolonged exposure may cause chronic effects.

**Acute toxicity** May be harmful if swallowed.

Components	Species	Test Results
Doramectin (CAS 117704-25-3)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Inhalation</b>		
<i>Dust</i>		
LC50	Rat	0.54 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat (F)	500 - 1000 mg/kg
	Rat (M)	1000 - 2000 mg/kg
<b>Subchronic</b>		
<b>Oral</b>		
NOEL	Dog	0.1 mg/kg/day, 3 months (Central Nervous System)
	Rat	2 mg/kg/day, 3 months (Liver)
Isopropyl alcohol (CAS 67-63-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	12800 mg/kg
<b>Inhalation</b>		
LC50	Rat	16000 ppm, 8 hours
		51.05 mg/l, 8 Hours
		30 mg/l

Components	Species	Test Results
<b>Oral</b>		
LD50	Mouse	3600 mg/kg
	Rat	> 2000 mg/kg
<b>Chronic</b>		
<b>Inhalation</b>		
NOAEL	Rat	4000 ppm, 20 weeks (Liver, Central nervous system)
Triethanolamine (CAS 102-71-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	20 g/kg
<b>Oral</b>		
LD50	Rat	8 g/kg
<b>Skin corrosion/irritation</b>	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.	
<b>Corrosivity</b>		
Isopropyl alcohol		Result: Irritation Species: Rabbit Severity: Mild
Doramectin		Species: Rabbit Severity: Non-irritating
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.	
<b>Eye contact</b>		
Isopropyl alcohol		Result: Irritation Species: Rabbit Severity: Severe
Doramectin		Species: Rabbit Severity: Non-irritating
<b>Respiratory or skin sensitisation</b>		
<b>Respiratory sensitisation</b>	Not a respiratory sensitiser.	
<b>Skin sensitisation</b>	This product is not expected to cause skin sensitisation.	
<b>Skin Sensitisation</b>		
Doramectin		LLNA, concentrations up to 5% Result: Negative Species: Mouse
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Mutagenicity</b>		
Doramectin		Bacterial Mutagenicity (Ames) Result: Negative Species: Salmonella
Isopropyl alcohol		Bacterial Mutagenicity (Ames) Result: Negative Species: Salmonella
		In Vitro Sister Chromatid Exchange Result: Negative
Doramectin		In vivo Micronucleus Result: Negative Species: Mouse

**Mutagenicity**

Isopropyl alcohol

Mammalian Cell Mutagenicity

Result: Negative

Species: HGPRT Chinese Hamster Ovary (CHO) cells

Doramectin

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**

Isopropyl alcohol (CAS 67-63-0)

A4 Not classifiable as a human carcinogen.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Triethanolamine (CAS 102-71-6)

3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity**

May cause harm to breastfed babies. Repeat-dose studies in animals have shown a potential to cause adverse effects on developing fetus.

**Developmental effects**

Doramectin

&gt; 6 mg/kg/day Embryo / Fetal Development, Not teratogenic

Result: NOEL

Species: Rat

Organ: Oral

0.75 mg/kg/day Embryo / Fetal Development, Maternal Toxicity, Teratogenic

Result: NOEL

Species: Rabbit

Organ: Oral

Isopropyl alcohol

1200 mg/kg/day Prenatal &amp; Postnatal Development, No effects at maximum dose

Result: NOAEL

Species: Rat

Organ: Oral

Doramectin

3 mg/kg/day Embryo / Fetal Development, Fetotoxicity, Not Teratogenic

Result: NOEL

Species: Mouse

Organ: Oral

Isopropyl alcohol

7000 ppm Prenatal &amp; Postnatal Development, Maternal toxicity, Fetotoxicity, Embryotoxicity

Result: LOAEL

Species: Rat

Organ: Inhalation

**Reproductivity**

Doramectin

0.3 mg/kg/day 2-generation, No effects except lower pup weight during lactation

Result: NOEL

Species: Rat

Organ: Oral

Isopropyl alcohol

1000 mg/kg/day 2 Generation Reproductive Toxicity, Maternal Toxicity, Fetal mortality

Result: LOAEL

Species: Rat

Organ: Oral

**Specific target organ toxicity - single exposure**

May cause drowsiness or dizziness.



<b>Specific target organ toxicity - repeated exposure</b>	Due to partial or complete lack of data the classification is not possible. This product may affect Nervous system. Liver. Kidneys. through prolonged or repeated exposure.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
<b>Other information</b>	May be absorbed through the skin and cause systemic effects.

## Section 12 - Ecological information

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

Components		Species	Test Results	
Doramectin (CAS 117704-25-3)	EC50	Activated Sludge	> 1000 mg/l, 3 hours	
	MIC	Aspergillus niger (Fungus)	600 mg/l	
		Clostridium perfringens (Bacterium)	40 mg/l	
	NOEC	Eisenia foetida (Earthworm)	0.89 mg/kg, 56 days (reproduction)	
	<i>Acute</i>	LC50	Eisenia foetida (Earthworm)	> 1000 mg/kg, 14 days
				> 1000 mg/kg, 28 days
				> 1000 mg/kg, 7 days
	<b>Aquatic</b>	MIC	Selenastrum capricornutum (Green Alga)	> 0.026 mg/l, 14 days
			Selenastrum capricornutum (Green Alga)	0.026 mg/l, 14 days
	<i>Acute</i>			
Crustacea	EC50	Daphnia magna (Water Flea)	0.0001 mg/l, 48 Hours	
Fish	LC50	Lepomis macrochirus (Bluegill Sunfish)	0.011 mg/l, 96 Hours	
		Oncorhynchus mykiss (rainbow trout)	0.0051 mg/l, 96 Hours	
Isopropyl alcohol (CAS 67-63-0)				
<b>Aquatic</b>				
<i>Acute</i>				
Fish	LC50	Bluegill (Lepomis macrochirus)	> 1400 mg/l, 96 hours	
Triethanolamine (CAS 102-71-6)	EC50	Ceriodaphnia dubia (Daphnids)	610 mg/l, 48 Hours	
<b>Aquatic</b>				
Crustacea	EC50	Daphnia magna (Water Flea)	1386 mg/l, Hours	
	NOEC	Daphnia magna (Water Flea)	16 mg/l, 21 day(s)	
Fish	LC50	Brachydanio rerio (Zebra fish)	11800 mg/l, 96 Hours	
<i>Acute</i>				
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	565.2 - 658.3 mg/l, 48 hours	
Fish	LC50	Fathead minnow (Pimephales promelas)	10610 - 13010 mg/l, 96 hours	

**Persistence and degradability** No data is available on the degradability of this product. As with other members of the avermectin family, doramectin is highly toxic to fish and certain aquatic organisms. However, once in contact with soil, it is tightly bound and does not readily desorb. It is unlikely to reach groundwater and is also biodegradable by soil microflora.

### Photolysis

#### Half-Life (Photolysis-Aqueous)

Doramectin 4.45 hours, @ 25C

### Biodegradability

#### Percent Degradation (Aerobic Biodegradation)

Doramectin 25.5 % OECD 301D  
Test Duration: 28 days

**Biodegradability****Percent Degradation (Aerobic Biodegradation-Soil)**

Doramectin 50 % Loam DT50, 61-79 days

**Bioaccumulative potential** No data available for this product.**Partition coefficient****n-octanol / water (log Kow)**

Doramectin 4.4

**Mobility in soil** The active ingredient in this formulation is expected to bind to soil or sediment.**Adsorption****Soil/Sediment Sorption - Log Koc**

Doramectin 3.88 - 4.94

**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.**Section 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.

**Contaminated packaging**

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

**Section 14 - Transport information****ADG**

**UN number** UN1219  
**UN proper shipping name** ISOPROPANOL SOLUTION  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** II  
**Environmental hazards** No  
**Hazchem code** •2YE  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

Other information: Limited Quantity is &lt;= 1.0 liters per inner packaging.

**RID**

**UN number** UN1219  
**UN proper shipping name** Isopropanol Solution  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** II  
**Environmental hazards** Yes  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**IATA**

**UN number** UN1219  
**UN proper shipping name** Isopropanol Solution  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** II  
**Environmental hazards** Marine Pollutant (Doramectin) >5L / Kg

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

Other information: Consumer Commodity, 9, ID 8000 if Inner packaging <= 500 mL (17 Fl. Oz); Outer packaging <= 30 kg (66 lb) gross weight.

**IMDG**

**UN number** UN1219  
**UN proper shipping name** Isopropanol Solution, MARINE POLLUTANT (Doramectin)  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** II  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** F-E,S-D  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

Other information: Marine pollutant requirements apply only to quantities >5 Liters for liquids / >5 Kilograms for solids (per inner package) when shipped as per IMDG regulations. Limited Quantity is <= 1.0 liters per inner packaging. Outer packaging <= 30 kg. (66 lb) max.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

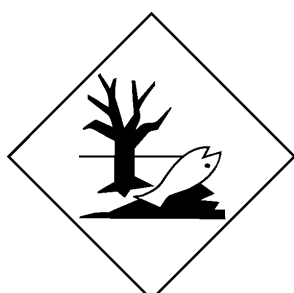
**ADG**



**IATA; IMDG; RID**



**Marine pollutant**



**General information** IMDG Regulated Marine Pollutant. Please refer to the applicable dangerous goods regulations for additional information. Transport according to the requirements of the appropriate regulatory body.

**Section 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.

APVMA Registration No. 49665

Poison Schedule (Product): Schedule 6

**Australia Medicines & Poisons Appendix E**

Triethanolamine (CAS 102-71-6)

**Australia Medicines & Poisons Appendix F**

Triethanolamine (CAS 102-71-6)

**Australia Medicines & Poisons Schedule 4**

Triethanolamine (CAS 102-71-6)

**Australia Medicines & Poisons Schedule 5**

Doramectin (CAS 117704-25-3)

Triethanolamine (CAS 102-71-6)

**Australia Medicines & Poisons Schedule 6**

Doramectin (CAS 117704-25-3)

**Australia Medicines & Poisons Schedule 7**

Doramectin (CAS 117704-25-3)

**High Volume Industrial Chemicals (HVIC)**

Isopropyl alcohol (CAS 67-63-0)

1000 - 9999 TONNES See the regulation for additional information.

Triethanolamine (CAS 102-71-6)

1000 - 9999 TONNES See the regulation for additional information.

**Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10, as amended)**

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 Carcinogenic Substances**

Not regulated.

**Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)**

Not listed.

**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

Country(s) or region	Inventory name	On inventory (yes/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).

## Section 16 - Any other relevant information

<b>Issue date</b>	29-May-2018
<b>Revision date</b>	01-June-2023
<b>Key abbreviations or acronyms used</b>	AICIS: Australian Inventory of Industrial Chemicals.
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<b>Revision information</b>	This document has undergone significant changes and should be reviewed in its entirety.