

SAFETY DATA SHEET



Section 1 - Identification

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

Section 2 - Hazard(s) identification

Classification of the hazardous chemical	
Physical hazards	Flammable liquids Category 2
Health hazards	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
Environmental hazards	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.

Response	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.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental information	None.
Other hazards which do not result in classification	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

Inhalation	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.
Skin contact	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.
Eye contact	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.
Ingestion	Rinse mouth. Call a physician or poison control centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
Personal protection for first-aid responders	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.
Symptoms caused by 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.
Medical attention and special treatment	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

Specific hazards arising from the chemical	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.
Special protective equipment and precautions for fire fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Hazchem code	2Y E
General fire hazards	Highly flammable liquid and vapour.
Specific methods	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 ₂).
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.
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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.
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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.
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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).
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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.
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Occupational exposure limits

Zoetis

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

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 ³
		500 ppm
	TWA	983 mg/m ³
		400 ppm
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m ³

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 ³

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	STEL	1250 mg/m ³
		500 ppm
	TWA	999 mg/m ³
		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 ³	
		200 ppm	
Triethanolamine (CAS 102-71-6)	TWA	1 mg/m ³	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).

Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	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.
Respiratory protection	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.
Thermal hazards	Not applicable.
Hygiene measures	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

Appearance	Clear. Solution.
Physical state	Liquid.
Form	Liquid.
Colour	Light blue.
Odour	Not available.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	84 °C (183.2 °F)
Flash point	14.4 °C (57.9 °F)
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 physical and chemical parameters	
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Specific gravity	0.8 @ 25C/77F

Section 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. 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)		
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg
Inhalation		
<i>Dust</i>		
LC50	Rat	0.54 mg/l, 4 hours
Oral		
LD50	Rat (F)	500 - 1000 mg/kg
	Rat (M)	1000 - 2000 mg/kg
<u>Subchronic</u>		
Oral		
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)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	12800 mg/kg
Inhalation		
LC50	Rat	16000 ppm, 8 hours
		51.05 mg/l, 8 Hours
		30 mg/l

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

> 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 & 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 & 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.

Specific target organ toxicity - repeated exposure	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.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
Other information	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)			
Acute	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)
	LC50	Eisenia foetida (Earthworm)	> 1000 mg/kg, 14 days
			> 1000 mg/kg, 28 days
Aquatic			
Algae	MIC	Selenastrum capricornutum (Green Alga)	> 0.026 mg/l, 14 days
	NOEL	Selenastrum capricornutum (Green Alga)	0.026 mg/l, 14 days
Acute			
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)			
Aquatic			
Acute			
Fish	LC50	Bluegill (Lepomis macrochirus)	> 1400 mg/l, 96 hours
Triethanolamine (CAS 102-71-6)			
	EC50	Ceriodaphnia dubia (Daphnids)	610 mg/l, 48 Hours
Aquatic			
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
Acute			
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 <= 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.

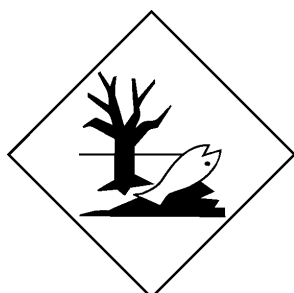
ADG



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

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