



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Elanco AH0487 Demize Pour-On for Cattle</b>
<b>Other means of identification</b>	
<b>Synonyms</b>	Cypermethrin Pour-on * Zeta-Cypermethrin Formulation * cis-Cypermethrin * Zeta-Cypermethrin * Elantik
<b>Item Code</b>	AH0487, AH0488
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Recommended use</b>	Veterinary Pharmaceutical
<b>Restrictions on use</b>	Not available.
<b>Details of manufacturer or importer</b>	
<b>Company name</b>	Elanco Australasia Pty Ltd. ACN: 076 745 198
<b>Address</b>	112 Wharf Road West Ryde, NSW 2114 Australia
<b>Telephone</b>	1800 226 324 (toll free)
<b>E-mail</b>	elanco_sds@elanco.com
<b>Emergency phone number</b>	Elanco Australasia 1800 226 324 (toll free)
<b>24 hr emergency contact number</b>	CHEMWATCH 1800 039 008 (spills and accidents)
<b>24 hr emergency contact number (Local)</b>	CHEMWATCH +61 2 9186 1132 (spills and accidents)

## 2. Hazard(s) identification

### Classification of the hazardous chemical

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Not classified.	
<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)



Environment

#### Signal word

Warning

#### Hazard statement(s)

Very toxic to aquatic life with long lasting effects.

#### Precautionary statement(s)

<b>Prevention</b>	Avoid release to the environment.
<b>Response</b>	Not available.
<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.

**Other hazards which do not result in classification** None known.

Supplemental information None.

### 3. Composition/information on ingredients

#### Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Zeta-Cypermethrin	52315-07-8	2.5

### 4. First-aid measures

#### Description of necessary first aid measures

<b>Inhalation</b>	Move to fresh air. Oxygen or artificial respiration if needed. Call a physician or poison control centre immediately.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
<b>Ingestion</b>	If conscious, give the victim plenty of water to drink. Never give anything by mouth to a victim who is unconscious or is having convulsions. Call a physician or poison control centre immediately.
<b>Personal protection for first-aid responders</b>	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Symptoms caused by exposure</b>	Effects of exposure may include: Convulsions. Tremors. Incoordination. Skin sensations such as numbing, burning and tingling. Headache. Nausea. (Zeta-Cypermethrin).
<b>Medical attention and special treatment</b>	None known.

### 5. Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Water. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Foam.
<b>Unsuitable extinguishing media</b>	None known.

**Specific hazards arising from the chemical** Hazardous decomposition products formed under fire conditions.

**Special protective equipment and precautions for fire fighters** Wear self-contained breathing apparatus and protective clothing.

**Hazchem code** 3Z

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	Avoid contact with skin, eyes and clothing. Wear suitable protective clothing, gloves and eye/face protection. See Section 8 for personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.
<b>For emergency responders</b>	Use personal protection recommended in Section 8 of the SDS.

**Environmental precautions** Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid discharge into drains, water courses or onto the ground.

**Methods and materials for containment and cleaning up** Small Spillages:  
Use absorbent/adsorbent material to solidify liquids. Clean up promptly by sweeping or vacuum. Solidification may not suppress vapors. Vacuuming liquids or solidified material may disperse vapors.

Large Spillages:  
Prevent further migration into the environment. Use absorbent/adsorbent material to solidify liquids. Solidification may not suppress vapors. Vacuuming liquids or solidified material may disperse vapors. Remove sources of ignition. Collect in a non-combustible container for prompt disposal. Local authorities should be advised if significant spillages cannot be contained. Large spills due to traffic accidents, etc., should be reported immediately to CHEMWATCH and Elanco Animal Health for assistance.

**Other issues relating to spills and releases** Clean up in accordance with all applicable regulations.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Avoid release to the environment.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool place below 86F (30C). Store in a dry place. Store in tightly closed original container in a well-ventilated place. Do not store in open or unlabelled containers. Store away from incompatible materials. Avoid contact with oxidising agents.

## 8. Exposure controls and personal protection

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate engineering controls</b>	Use appropriate control measures such as fume hood, ventilated enclosure, local exhaust ventilation, or down-draft booth.
<b>Individual protection measures, for example personal protective equipment (PPE)</b>	
<b>Eye/face protection</b>	Wear goggles/face shield. (AS/NZS 1337)
<b>Skin protection</b>	
<b>Hand protection</b>	Chemical resistant gloves. (AS/NZS 2161)
<b>Other</b>	Chemical-resistant gloves and impermeable body covering to minimize skin contact.
<b>Respiratory protection</b>	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the respirator. Select appropriate respirator for physical characteristics of material. Select respirator with appropriate protection factor. (AS/NZS 1715)
<b>Thermal hazards</b>	Not available.
<b>Hygiene measures</b>	Use good industrial hygiene practices in handling this material.  When mixing and handling, use protective clothing, impervious gloves, and dust respirator (recommended). Operators should wash thoroughly with soap and water after handling. If accidental eye contact occurs, immediately rinse with plenty of water.  In a manufacturing setting, wear chemical-resistant gloves and body covering to minimize skin contact. If handled in a ventilated enclosure, as in a laboratory setting, respirator and goggles or face shield may not be required. Safety glasses are always required.  Under normal use and handling conditions, wear goggles to protect eyes and wear impermeable gloves and protective equipment to avoid direct contact with skin. Wash thoroughly with soap and water after handling.

## 9. Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Amber.
<b>Odour</b>	Aromatic
<b>Odour threshold</b>	No data available.
<b>pH</b>	No data available.
<b>Melting point/freezing point</b>	No data available.
<b>Initial boiling point and boiling range</b>	No data available.
<b>Flash point</b>	123.0 °C (253.4 °F)
<b>Evaporation rate</b>	No data available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	No data available.
<b>Flammability limit - upper (%)</b>	No data available.
<b>Explosive limit - lower (%)</b>	No data available.
<b>Explosive limit - upper (%)</b>	No data available.

<b>Vapour pressure</b>	No data available.
<b>Vapour density</b>	No data available.
<b>Relative density</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble.
<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Auto-ignition temperature</b>	No data available.
<b>Decomposition temperature</b>	No data available.
<b>Viscosity</b>	No data available.
<b>Other physical and chemical parameters</b>	
<b>Density</b>	No data available.
<b>Explosive properties</b>	No data available.
<b>Oxidising properties</b>	No data available.
<b>Percent volatile</b>	No data available.
<b>VOC</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Strong oxidising agents.
<b>Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions..

## 11. Toxicological information

### Acute toxicity

Product	Species	Test Results
Elanco AH0487 Demize Pour-On for Cattle		
<b>Dermal</b>		
LD	Rabbit	> 2000 mg/kg No mortality.
<b>Inhalation</b>		
LC	Rat	> 2100 mg/m <sup>3</sup> , 4 h No mortality.
<b>Oral</b>		
LD	Rat	> 3000 mg/kg No mortality.

Components	Species	Test Results
Zeta-Cypermethrin (CAS 52315-07-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD	Rabbit	> 2000 mg/kg No mortality.
<b>Inhalation</b>		
LC50	Rat	> 2100 mg/m <sup>3</sup> , 4 h No mortality.
<b>Oral</b>		
LD50	Rat	50 - 300 mg/kg No mortality.

**Skin corrosion/irritation** Rabbit: Slight irritation. (Product)  
Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Rabbit: Mild eye irritation. Cleared within 7 days. (Product)  
Based on available data, the classification criteria are not met.

### Respiratory or skin sensitisation

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

<b>Skin sensitisation</b>	May cause an allergic skin reaction. (Zeta Cypermethrin) Guinea pig: Not a skin sensitiser. (Product) Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Negative in bacterial cells. Negative in mammalian cells. (Zeta-Cypermethrin) Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	No effects identified in animal studies. (Zeta-Cypermethrin) Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	May cause irritation to the respiratory system. (Zeta-Cypermethrin) Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure. (Zeta-Cypermethrin) Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Other information</b>	Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).  Skin sensations such as numbing, burning and tingling. (Zeta-Cypermethrin)

## 12. Ecological information

<b>Ecotoxicity</b>	Very toxic to aquatic life with long lasting effects.		
<b>Components</b>	<b>Species</b>	<b>Test Results</b>	
Zeta-Cypermethrin (CAS 52315-07-8)			
<b>Aquatic</b>			
Crustacea	EC50	Daphnia magna	0.0002 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss	0.0009 mg/l, 96 h
<b>Persistence and degradability</b>	No data is available on the degradability of this product.  Aerobic biodegradation half-life: 2 to 4 weeks. Hydrolysis half-life: readily hydrolyzed (pH 9) Hydrolysis half-life: 20 to 29 days (pH 7) (Zeta-Cypermethrin)		
<b>Bioaccumulative potential</b>	No data available for this product.		
<b>Partition coefficient n-octanol / water (log Kow)</b>			
Zeta-Cypermethrin		6.6	
<b>Bioconcentration factor (BCF)</b>			
Zeta-Cypermethrin		17	
<b>Mobility in soil</b>	Not available.		
<b>Other adverse effects</b>	Not available.		

## 13. Disposal considerations

<b>Disposal methods</b>	Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.
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## 14. Transport information

<b>General information</b>	Effective January 1, 2015 by Special Provision, UN3077 and UN3082 when packaged in inner packages of 5L / 5 KG or less are not subject to the dangerous goods regulations.
<b>ADG</b>	
<b>UN number</b>	3082
<b>UN proper shipping name</b>	Environmentally hazardous substances, liquid, n.o.s. (Zeta-Cypermethrin)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes
<b>Hazchem code</b>	D3Z
<b>Special precautions for user</b>	Not available.

Not classified as dangerous goods when transported by road or rail in packaging or receptacles not exceeding 500 kg (L) according to ADG 7 SP AU01.

**RID**

**UN number** 3082  
**UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (Zeta-Cypermethrin)  
**Transport hazard class(es)**  
**Class** 9  
**Subsidiary risk** -  
**Label(s)** 9  
**Packing group** III  
**Environmental hazards** Yes  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**IATA**

**UN number** 3082  
**UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (Zeta-Cypermethrin)  
**Transport hazard class(es)**  
**Class** 9  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards** Yes  
**ERG Code** 9L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Other information**

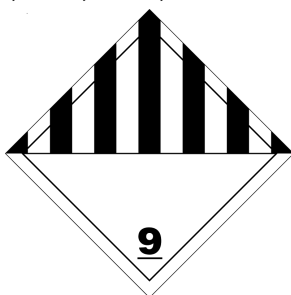
**Passenger and cargo aircraft** Allowed with restrictions.  
**Cargo aircraft only** Allowed with restrictions.

**IMDG**

**UN number** 3082  
**UN proper shipping name** Environmentally hazardous substances, liquid, n.o.s. (Zeta-Cypermethrin)  
**Transport hazard class(es)**  
**Class** 9  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** F-A, S-F  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

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

**ADG; IATA; IMDG; RID**



Marine pollutant



## 15. Regulatory information

### Safety, health and environmental regulations

**National regulations** APVMA approval number 50781  
Poison Schedule 6

**Australia Medicines & Poisons Appendix A**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix B**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix D**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix E**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix F**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix G**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix H**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix I**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix J**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Appendix K**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 10**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 2**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 3**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 4**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 5**

Zeta-Cypermethrin (CAS 52315-07-8)

**Australia Medicines & Poisons Schedule 6**

Zeta-Cypermethrin (CAS 52315-07-8)

**Australia Medicines & Poisons Schedule 7**

Zeta-Cypermethrin (CAS 52315-07-8)

**Australia Medicines & Poisons Schedule 8**

Poisons schedule number not allocated.

**Australia Medicines & Poisons Schedule 9**

Poisons schedule number not allocated.

**High Volume Industrial Chemicals (HVIC)**

Not listed.

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

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

Not listed.

**Restricted Carcinogenic Substances**

Not regulated.

**International regulations****Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto Protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Zeta-Cypermethrin (CAS 52315-07-8)

**International Inventories**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information**

<b>Issue date</b>	23-September-2015
<b>Revision date</b>	24-March-2019

**Disclaimer**

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

For additional information contact:

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**Revision information**

Toxicological Information: Toxicological Data  
Other information: Disclaimer