



## SAFETY DATA SHEET

### Zeal Miticide

#### SECTION 1: Identification: Product identifier and chemical identity

##### Product identifier

**Product name** Zeal Miticide

##### Relevant identified uses of the substance or mixture and uses advised against

**Application** Miticide

**Uses advised against** No specific uses advised against are identified.

##### Details of the supplier of the safety data sheet

**Supplier** www.sumitomo-chem.com.au  
Sumitomo Chemical Australia Pty Ltd  
Level 5, 51 Rawson Street,  
EPPING, NSW 2121  
(02) 8752 9000  
(02) 8752 9099  
Reception@sumitomo-chem.com.au

##### Emergency telephone number

**Emergency telephone** 1800 033 111 (Australia) 0800 734 607 (New Zealand)

**National emergency telephone number** Poisons Information Centre - Phone Australia 13 11 26; New Zealand 0800 764 766.

#### SECTION 2: Hazard(s) identification

##### Classification of the substance or mixture

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

##### Label elements

##### Hazard pictograms



**Signal word** WARNING

**Hazard statements** H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements** P273 Avoid release to the environment.  
P391 Collect spillage.  
P501 Dispose of contents/ container in accordance with national regulations.

##### Other hazards

This product does not contain any substances classified as PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative).

## Zeal Miticide

### SECTION 3: Composition and information on ingredients

#### Substances

<b>Other, non-hazardous ingredients</b>	<b>60-100%</b>
CAS number: —	
<b>etoxazol (ISO)</b>	<b>11%</b>
CAS number: 153233-91-1	
<b>ethanediol</b>	<b>1-5%</b>
CAS number: 107-21-1	
<b>Bentonite</b>	<b>1-5%</b>
CAS number: 1302-78-9	

**Product name** Zeal Miticide

### SECTION 4: First aid measures

#### Description of first aid measures

<b>General information</b>	If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766), and follow the advice given. Show this Safety Data Sheet to a doctor.
<b>Inhalation</b>	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
<b>Ingestion</b>	No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.
<b>Skin Contact</b>	No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse with water. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	Use protective equipment appropriate for surrounding materials.

#### Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
<b>Ingestion</b>	No specific symptoms known. May cause discomfort if swallowed.
<b>Skin contact</b>	No specific symptoms known. May cause discomfort.
<b>Eye contact</b>	No specific symptoms known. May be slightly irritating to eyes.

#### Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	No special treatment required.

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### SECTION 5: Firefighting measures

#### Extinguishing media

**Suitable extinguishing media** The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

#### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.

**Hazchem Code** 3Z

### SECTION 6: Accidental release measures

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

**Personal precautions** No specific recommendations. For personal protection, see Section 8.

#### Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

#### Methods and material for containment and cleaning up

**Methods for cleaning up** Reuse or recycle products wherever possible. Absorb spillage to prevent material damage. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. Dispose of contents/container in accordance with national regulations.

#### Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

### SECTION 7: Handling and storage, including how the chemical may be safely used

#### Precautions for safe handling

**Usage precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

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### Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Keep only in the original container. Store in the closed, original container in a dry, cool, well-ventilated area, away from direct sunlight.
<b>Storage class</b>	Miscellaneous hazardous material storage.
<b>Specific end use(s)</b>	
<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1

### SECTION 8: Exposure controls and personal protection

#### Control parameters

#### Occupational exposure limits

##### **Bentonite**

National exposure standard  
10 mg/m<sup>3</sup>  
TWA

#### Exposure controls

##### **Protective equipment**



##### **Appropriate engineering controls**

No specific ventilation requirements.

##### **Eye/face protection**

No specific eye protection required during normal use.

##### **Hand protection**

When opening the container and preparing spray: Wear elbow-length chemical resistant gloves.

##### **Other skin and body protection**

Wear cotton overalls over normal clothing, buttoned to the neck and wrist and a washable hat.

##### **Hygiene measures**

Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

##### **Respiratory protection**

No specific requirements are anticipated under normal conditions of use.

##### **Environmental exposure controls**

Keep container tightly sealed when not in use.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Opaque liquid.
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>pH</b>	pH (concentrated solution): 7.4 (1% solution)
<b>Relative density</b>	1.01 @ 20°C

### SECTION 10: Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

### SECTION 11: Toxicological information

#### Information on toxicological effects

**Toxicological effects** Not regarded as a health hazard under current legislation.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5,000 mg/kg, ,

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2,000 mg/kg, , Rat

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** >1.09 mg/L (highest attainable conc.) , , Rat, (4 h)

#### Skin corrosion/irritation

**Animal data** Not irritating. (Rabbit)

#### Serious eye damage/irritation

**Serious eye damage/irritation** Non-irritating (Rabbit)

#### Respiratory sensitisation

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

#### Skin sensitisation

**Skin sensitisation** Not sensitising. (Guinea pig)

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

#### IARC carcinogenicity

None of the ingredients are listed or exempt.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

#### Reproductive toxicity - development

Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

#### Specific target organ toxicity - repeated exposure

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<b>STOT - repeated exposure</b>	Not classified as a specific target organ toxicant after repeated exposure.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.
<b>General information</b>	No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known. Spray/mists may cause respiratory tract irritation.
<b>Ingestion</b>	No specific symptoms known. May cause discomfort if swallowed.
<b>Skin Contact</b>	No specific symptoms known. May cause discomfort.
<b>Eye contact</b>	No specific symptoms known. May be slightly irritating to eyes.
<b>Route of exposure</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target Organs</b>	No specific target organs known.

### SECTION 12: Ecological information

<b>Toxicity</b>	Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.
<b><u>Acute aquatic toxicity</u></b>	
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hour: 0.0071 mg/l, Daphnia magna
<b><u>Chronic aquatic toxicity</u></b>	
<b>Chronic toxicity - fish early life stage</b>	NOEC, : 0.015 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 21 days: 0.0002 mg/l, Daphnia magna
<b><u>Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	The degradability of the product is not known.
<b><u>Bioaccumulative potential</u></b>	
<b>Bioaccumulative Potential</b>	No data available on bioaccumulation.
<b><u>Mobility in soil</u></b>	
<b>Mobility</b>	No data available.
<b><u>Other adverse effects</u></b>	
<b>Other adverse effects</b>	None known.

### SECTION 13: Disposal considerations

#### Waste treatment methods

<b>General information</b>	The generation of waste should be minimised or avoided wherever possible.
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**Disposal methods** Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

### SECTION 14: Transport information

**General** Not a dangerous good for transport by Road and Rail according to ADG 7 code

**Road transport notes** Not a Dangerous Good when transported by Road and Rail in packagings that do not incorporate a receptacle exceeding 500kg/(L) OR IBC's

**Sea transport notes** Refer to Special Provision A197 this substance may be shipped as 'not restricted' provided that the net quantity in any receptacle does not exceed 5 kg or 5 L.

**Air transport notes** Refer to Special Provision A197 this substance may be shipped as 'not restricted' provided that the net quantity in any receptacle does not exceed 5 kg or 5 L.

#### UN number

3082

#### UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### Transport hazard class(es)

9

#### Packing group

III

#### Special precautions for user

**Hazchem Code** 3Z

### SECTION 15: Regulatory information

**APVMA Approval Number** 82491

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

**Schedule (SUSMP)** **Unscheduled**

#### Inventories

**Australia - AIIC**

N/A

### SECTION 16: Any other relevant information

**Abbreviations and acronyms used in the safety data sheet** N/A = not applicable

**Training advice** Only trained personnel should use this material.

**Revision date** 24/04/2023

## Zeal Miticide

<b>Revision</b>	6
<b>Supersedes date</b>	16/07/2021
<b>SDS No.</b>	4573
<b>Hazard statements in full</b>	H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.