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

#### Product identifier

**Product Name** Allitron

#### Other means of identification

**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S  
(Triadimenol)

**UN Number** 3082

#### Recommended use of the chemical and restrictions on use

**Recommended Use** Systemic Fungicide

#### Details of manufacturer or importer

##### Manufacturer

Zelam Ltd,  
13 – 15 Hudson Road,  
Bell Block,  
New Plymouth, 4312  
New Zealand  
Telephone; +64 6 755 9234  
Fax; +64 6 755 1174

##### Supplier

FMC Australasia Pty Ltd  
ABN: 45 095 326 891  
12 Julius Avenue  
North Ryde,  
NSW 2113,  
Australia  
Freecall: 1800 624 597  
Web site: [www.fmccrop.com.au](http://www.fmccrop.com.au)

#### Emergency telephone number

Emergency phone (24 hours Australia wide) 1800 033 111  
Poisons Information Centre 13 1126

### Section 2: Hazard(s) identification

APVMA: Australian Pesticides and Veterinary Medicines Authority  
APVMA Code: 63023

#### GHS Classification

<b>Acute toxicity – Oral</b>	Category 4	(H302)
<b>Skin corrosion/irritation</b>	Category 3	(H316)
<b>Skin sensitisation</b>	Category 1	(H317)
<b>Specific target organ toxicity – repeated exposure</b>	Category 2	(H373)
<b>Chronic aquatic toxicity</b>	Category 2	(H411)

#### Label elements



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Signal Word            Warning

### Hazard Statements

H302 – Harmful if swallowed.

H316 – Causes mild skin irritation.

H317 – May cause an allergic skin reaction.

H373 - May cause damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

### Precautionary Statements - Prevention

Keep out of reach of children.

Read label before use.

Do not breathe mist or spray.

Wash face and hands thoroughly after handling.

Do not eat, drink or smoke while using this product.

Contaminated clothing should not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves, protective clothing, eye and face protection.

### Precautionary Statements - Response

Specific treatment (see First Aid on this SDS).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

### Precautionary Statements - Storage

Store in original container, tightly closed away from food, food related materials, animal feedstuffs, seed or fertilizer.

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal facility.

### Other hazards

May be harmful if swallowed.

## Section 3: Composition and information on ingredients

### Substance

Chemical nature            Mixture

Chemical Name	CAS Number	Weight %
Triadimenol	55219-65-3	30 – 40

Other ingredients	Proprietary	Balance
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### Section 4: First aid measures

#### Description of first aid measures

<b>General advice</b>	The following are required: Running Water. Emergency shower, hand wash, soap.
<b>Emergency telephone number</b>	Poisons Information Centre, Australia: 13 11 26
<b>Ingestion</b>	If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.
<b>Eye Contact</b>	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Immediately flush with plenty of water while removing contaminated clothing. DO NOT scrub the skin. Continue for at least 15 minutes. Wash clothing before reuse.
<b>Inhalation</b>	Avoid inhalation of spray or mists which are likely to be irritating. Remove to a source of fresh air and seek medical advice.
<b>Self-protection of the first aider</b>	First aider: Pay attention to self-protection. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protection recommended in Section 8.
<b>Notes to physicians</b>	No specific antidote. Treat symptomatically.

### Section 5: Firefighting measures

#### Suitable Extinguishing Media

##### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Small Fire** Dry chemical or CO<sub>2</sub>.

**Large Fire** Water spray or fog.

##### **Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

#### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapours

Do not allow run-off from fire-fighting to enter drains or water courses.

**Hazardous combustion products:** Oxides of sulphur. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

#### Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

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Hazchem code 2X

Legend IERG Code: 47

### Section 6: Accidental release measures

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

##### **Personal precautions**

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas.

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8.

##### **For emergency responders**

Use personal protection recommended in Section 8.

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained. Dispose of contents/container to an approved waste disposal plant.

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

##### **Methods for containment**

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

##### **Methods for cleaning up**

Pick up and transfer to properly labelled containers. Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

#### Precautions to prevent secondary hazards

##### **Prevention of secondary hazards**

Clean contaminated objects and areas thoroughly observing environmental regulations.

##### **Reference to other sections**

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

#### Precautions for safe handling

##### **Advice on safe handling**

Harmful - Keep out of reach of children.

Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. When using do not eat, drink or smoke. Ensure adequate ventilation, especially in confined areas. Wash thoroughly after handling.

Wash contaminated clothing before reuse.

##### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Keep working clothes separately. Regular cleaning of equipment, work area and clothing is recommended.

#### Conditions for safe storage, including any incompatibilities

##### **Storage Conditions**

Store in original container in a cool, well ventilated place, away from direct sunlight and extreme heat. Keep container tightly closed and away from food or food related materials.

**Incompatible materials**

None known

### Section 8: Exposure controls and personal protection

**Control parameters**

**Exposure Limits**

Chemical Name	Australia
Triadimenol 55219-65-3	0.06 mg/kg bw/day (ADI)

**Appropriate engineering controls**

**Engineering Controls** Showers.  
Eyewash stations.  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Avoid contact with eyes. Wear a face shield or full chemical workers goggles when there is a risk of a splash.

**Hand Protection**

Wear Chemical resistant gloves, the selected protective gloves have to satisfy the specifications of AS 2161. Gloves must be inspected prior to use. Replace when worn.

**Skin and body protection**

Wear suitable protective clothing. Clothing material compliant with AS 4501, and footwear compliant with AS/NZS 2210 are recommended.

**Respiratory protection**

Ensure adequate ventilation, especially in confined areas.

In case of inadequate ventilation wear respiratory protection.

AS/NZS 1716:2012 : Respiratory protective devices.

AS/NZS 1715:2009 : Selection, use and maintenance of respiratory protective equipment.

**Environmental exposure controls**

Do not allow into any sewer, on the ground or into any body of water.

**Hygiene/Other Precautions**

Do not eat drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands before breaks and after work. The use of a skin barrier cream is useful to give additional skin protection.

### Section 9: Physical and chemical properties

**Information on basic physical and chemical properties**

**Physical state** Aqueous suspension

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**Appearance** Liquid  
**Colour** Off-white to Cream  
**Odour** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	6 -7	solution (5 %) CIPAC MT 75.3
<b>Melting point / freezing point</b>		No information available
<b>Boiling point / boiling range</b>		No information available
<b>Flash point</b>	Not flammable	
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>		
<b>Lower flammability limit:</b>		
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Relative density</b>	1.09	@ 20 °C
<b>Water solubility</b>	Miscible in water	
<b>Solubility(ies)</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>		No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	
<b>Other Information</b>		
<b>VOC Content (%)</b>	No information available	
<b>Bulk density</b>	No information available	

### Section 10: Stability and reactivity

#### Reactivity

No data available.

#### Chemical stability

Stable under normal conditions.

#### Possibility of Hazardous Reactions

##### **Possibility of Hazardous Reactions**

None under normal processing.

#### Conditions to avoid

None under normal processing.

#### Incompatible materials

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None known.

### Hazardous Decomposition Products

No data available.

### Section 11: Toxicological information

#### Acute toxicity

#### Information on likely routes of exposure

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation** No information available. Avoid breathing mists.

**Eye contact** May cause eye irritation. Avoid contact with eyes.

**Skin contact** May cause skin irritation. Avoid contact with skin.

**Ingestion** Do not taste or swallow.

#### Numerical measures of toxicity - Product Information

Mixture toxicity data not available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Triadimenol	700 mg/kg (RT)	>5000 mg/kg (RT)	>0.9 mg/L (RT) 4h

*RT = Rat*

*RBT = Rabbit*

*MSE = Mouse*

*V = Vapour*

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

##### **Skin corrosion/irritation**

May cause skin irritation.

##### **Serious eye damage/eye irritation**

Not classified.

##### **Sensitization**

May cause skin sensitisation.

##### **Germ cell mutagenicity**

Not classified.

##### **Carcinogenicity**

Not classified.

##### **Reproductive toxicity**

No information available.

##### **Specific Target Organ Toxicity [STOT] - single exposure**

Not classified.

##### **Specific Target Organ Toxicity [STOT] - repeated exposure**

May cause organ damage from repeated oral exposure at high doses

##### **Aspiration hazard**

Not classified.

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### Section 12: Ecological information

#### Ecotoxicity

LC50 – Lethal Concentration to 50% of a test population

LD50 – Lethal dose to 50% of a test population (Median Lethal Dose)

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Triadimenol	3.7 mg/L EC50 ( <i>scenedesmus subspicatus</i> )	14 mg/L LC50 96h ( <i>Oncorhynchus mykiss</i> )	51 mg/L EC50 48H ( <i>Daphnia magna</i> )

#### **Persistence and degradability**

No information available.

#### **Bioaccumulative potential**

No information available.

#### **Mobility in soil**

No information available.

#### **Other adverse effects**

Harmful to the soil environment.

Harmful to terrestrial vertebrates.

### Section 13: Disposal considerations

#### Waste treatment methods

#### **Waste from residues/unused products**

Dispose of product only by using according to this label, or at an approved disposal facility in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated packaging**

Empty containers must be triple rinsed before they are disposed of in any forms as mentioned below. Add rinsate to the spray tank.

If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, crush or puncture empty containers. Dispose of the containers in accordance with applicable regional, national and local laws and regulations.

DO NOT burn empty containers or product.

### Section 14: Transport information

#### Land Transport (Australia) ADG Code:

<b>UN Number</b>	UN3082
<b>Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Environmental hazard</b>	Yes
<b>Special Provisions</b>	
<b>Description</b>	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Triadimenol)
<b>Hazchem code</b>	2X.
<b>IERG:</b>	47



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### IMDG

**UN/ID no** UN3082  
**Proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S  
**Hazard Class** 9  
**Packing Group** III  
**EmS-No** F-A, S-F  
**Special Provisions** 274, 331, 335  
**Marine pollutant** This material meets the definition of a marine pollutant  
**Description** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S  
(Triadimenol)

### Section 15: Regulatory information

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

##### National regulations

##### Australia

APVMA : Australian Pesticides and Veterinary Medicines Authority  
APVMA Approval No: 63023

**Poisons Schedule Number:** 5

### Section 16: Any other relevant information

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#### Key or legend to abbreviations and acronyms used in the safety data sheet

CAS	Chemical Abstracts Service (Registry Number)		
TLV	Threshold Limit Value		
TWA	Time Weighted Average	STEL	Short Term Exposure Limit
AS	Australian Standards	AS/NZS	Australian/New Zealand Standards
ADG	Australian Dangerous Goods	IMDG	International Maritime Dangerous Goods Code

#### **Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**