

<b>1. Identification of the Substance/Mixture and Supplier.</b>											
Product name:	Aliette WG										
Recommended Use:	Fungicide for the control of Phytophthora in apples, ornamentals, kiwifruit, pomefruit, avocados and citrus.										
Company details:	Bayer New Zealand Limited, 3 Argus Place, Glenfield, Auckland, New Zealand.										
Telephone:	0800 428 246										
Facsimile:	09 441 8645										
Emergency telephone:	0800 734 607 Orica SH&E Shared services (24hr)										
<b>2. Hazards Identification.</b>											
Hazard classification:	Classified as not hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.										
Classification and type:	<b>HSNO Class*</b> 6.1E, 6.3B, 8.3A, 9.1C Harmful if swallowed, inhaled or absorbed through the skin. Harmful – may cause skin irritation. Danger – this product is corrosive and may cause eye damage. Toxic to aquatic organisms.										
Risk & Safety Phrases:	R38, R41, R52										
<b>3. Composition/Information on Ingredients.</b>											
<i>Pure substance:</i>											
Common name:	Fosetyl-Aluminium										
Synonyms:	Also known as Aluminium tris (0-ethylphosphonate)										
Chemical Identity of Ingredients:	<i>Mixture:</i> <table border="1"> <thead> <tr> <th>Ingredient</th> <th>CAS No.</th> <th>Content (%w/v)</th> </tr> </thead> <tbody> <tr> <td>Fosetyl-Aluminium</td> <td>39148-24-8</td> <td>80.0%</td> </tr> <tr> <td>Other ingredients determined not to be hazardous</td> <td></td> <td>20.0%</td> </tr> </tbody> </table>		Ingredient	CAS No.	Content (%w/v)	Fosetyl-Aluminium	39148-24-8	80.0%	Other ingredients determined not to be hazardous		20.0%
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**4. First Aid Measures:**

Description of necessary first aid measures:	In case of poisoning by any exposure route contact the National Poisons and Hazardous Chemicals Information Centre, PO Box 913, Dunedin. Phone 0800 764 766, 0800 POISON.
Workplace facilities:	No specific facilities required. Standard emergency equipment must be available.
Hygiene Practices:	Avoid contact with skin and eyes and inhalation of concentration or spray mist. When mixing or applying, wear protective clothing, including face shield, impervious gloves and footwear. If clothing becomes contaminated with product, remove clothing immediately. DO NOT eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work.
Poisoning symptoms:	No case of human poisoning due to this product is on record.
Eye:	If product gets in eyes wash it out immediately with water.
Skin:	If skin contact occurs remove contaminated clothing and wash affected areas thoroughly with soap and water.
Inhaled:	Move person to fresh air and keep at rest until recovered. Apply artificial respiration if necessary.

**5. Fire-Fighting Measures.**

Decomposition:	May give rise to dangerous fumes (carbon, nitrogen and phosphorus oxides) if strongly heated.
Extinguishing media:	Water-soluble product so avoid use of water is possible. Carbon dioxide Foam Dry agent
Recommended Protective clothing:	When fighting a major fire wear an air-supplied respirator. Wear protective equipment.

<b>6. Accidental Release Measures.</b>	
Personal Precautions:	<p><b>Emergency Procedures:</b> Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and overalls.</p>
Environmental Precautions:	<p>Washings must be prevented from entering surface water drains or waterways.</p>
Procedure for spill:	<p>Keep all bystanders away. Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves.</p> <p>Contaminated material must be disposed of in accordance with all local authority requirements.</p> <ul style="list-style-type: none"> <li>• For quantities up to 50kg of product bury in a secure approved landfill site.</li> <li>• For quantities greater than 50kg seek advice from the manufacturer (use emergency contact number) before attempting disposal. Contain in a secure location until disposal method is established.</li> </ul> <p>Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.</p>
Procedure for Disposal:	<p>a) Triple rinsing or preferably pressure rinsing containers with water. Add the rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site.</p> <p>b) Burning of empty containers if circumstances, especially wind direction, permit is an alternative method. Do not burn unless in a suitable incinerator.</p> <p>c) Product or unused spray mix should be disposed of according to label instructions.</p>
<b>7. Handling and Storage.</b>	
Handling Practices:	<p>Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.</p>
Conditions for Safe Storage and Store Sire Requirements:	<p>Store in a cool, dry, well ventilated place and protect from sunlight. Avoid temperatures below 0°C or above 30°C.</p>
Packaging:	<p>Store in original container, tightly closed, away from foodstuffs.</p>

**8. Exposure Control/Personal Protection**

Engineering measures:	Use in well ventilated areas.
Respiratory protection:	Where insufficient ventilation, use suitable respiratory protection. Wear suitable protective gloves (e.g. Polyvinyl chloride – PVC). After contamination with product change the gloves immediately.
Eye protection:	Chemical goggles/face protection.
Other protective equipment:	Wear suitable protective clothing.
Hygiene measures:	Avoid inhaling aerosols and vapours. Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Change contaminated protective clothing. Keep away from food, drinks and tobacco.

**9. Physical and Chemical Properties**

Form:	Wettable Powder
Colour:	Light Brown
Boiling/Melting Point:	Decomposes above 200°C
Vapour pressure:	<0.013Pa @ 25°C
Density:	0.620
Specific gravity:	Not applicable
Viscosity:	Not known
Solubility in water:	120g/l @ 20°C
pH:	3.0 – 4.0 (1% solution in water)
Flash point:	Non flammable
Ignition temperature:	Not known

**OTHER PROPERTIES**

Explosion Hazard:	Non explosive
Corrosive Hazard:	Non corrosive

**10. Stability and Reactivity**

Stability of the Substance:	Stable under standard conditions.
Conditions to Avoid:	Not applicable
Materials to Avoid:	Not applicable
Hazardous Reactions:	Not applicable
Hazardous polymerization	Not applicable

<b>11. Toxicological Information</b>	
Acute oral toxicity:	LD <sub>50</sub> : >2860mg/kg LD <sub>50</sub> : >8000mg/kg Bobwhite Quail
Acute dermal toxicity:	
Acute inhalation toxicity:	LD <sub>50</sub> : >2020mg/kg (rat, rabbit) LC <sub>50</sub> : >5.02 mg/l /air (rats) 4h
Skin irritation:	
Eye irritation:	Skin irritant. Eye irritant
Other information	Very short soil life under aerobic or anaerobic conditions with rapid dissipation and metabolism. DT <sub>50</sub> : (aerobic) 20 minutes – 1.5 hr
<b>12. Ecological Information</b>	
Acute fish toxicity:	LC <sub>50</sub> (96 hr) Rainbow trout: 94.3 - 428mg/l LC <sub>50</sub> (96 hr) Harlequin Fish: 161mg/l
Toxicity for daphnia:	EC <sub>50</sub> : (96 hr) (Daphnia magna) 189mg/l
<b>13. Disposal Considerations.</b>	
Product Disposal:	Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.
Container Disposal:	Triple rinse the empty container adding rinseate to the spray tank. Recycle if possible. If allowed under local authority, burn if circumstances, especially wind direction permit, otherwise crush and bury in an approved local authority facility. Do not use container for any other purpose.
<b>14. Transportation Information.</b>	
Rail/Road (RID/ADR)	Not classified
Sea (IMDG-Code)	Not classified
Air (ICAO/IATA)	Not classified

**15. Regulatory Information.**

HSNO Approval Number: HSR000483

HSNO Controls (inc. Tracking): See [www.ermanz.govt.nz](http://www.ermanz.govt.nz) for controls.

Approved Handlers required: Approved Handlers not required.

ACVM Registration: P 2984

ACVM Controls: See [www.nzfsa.govt.nz/acvm](http://www.nzfsa.govt.nz/acvm) for registration conditions.**16. Other Information.**

- 6.1E Harmful if swallowed, inhaled or absorbed through the skin.  
6.3B Harmful – may cause skin irritation.  
8.3A Danger – this product is corrosive and may cause eye damage.  
9.1C Toxic to aquatic organisms.

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- R38 Irritating to skin.  
R41 Risk of serious damage to eyes  
R52 Harmful to aquatic organisms.

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The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.