

# SAFETY DATA SHEET



Product Name: Root Protect Alette

Issue Date: 19/06/2018

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Product Name:</b>	<b>Root Protect Alette</b>
Molecular Formula:	Mixture
Supplier:	Kiwicare Corporation Limited
Street Address:	225 Maces Road, Bromley, Christchurch, 8062 New Zealand
Postal Address:	P.O Box 15050, Aranui, Christchurch, 8643 New Zealand
Telephone	+64 3 389 0778
Email:	<a href="mailto:info@kiwicare.co.nz">info@kiwicare.co.nz</a>
Website:	<a href="http://www.kiwicare.co.nz">www.kiwicare.co.nz</a>
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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## 2. HAZARDS IDENTIFICATION

HSNO Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
6.1E (oral)	Not applicable for the UN	No pictogram	Warning	H303	P102 <sup>b</sup>	P101 <sup>b</sup>	No storage statements	P501
6.3B	Not applicable for the UN RTDG Model Regulations	No pictogram	Warning	H316	P103 <sup>b</sup>	P332 + P313	No storage statements	P501
8.3A	Not applicable for the UN RTDG Model Regulations		Danger	H318	P102 <sup>b</sup> P103 <sup>b</sup> P280	P101 <sup>b</sup> P305 + P351 + P338 P310	No storage statements	P501
9.1C	Not applicable for the UN RTDG Model Regulations	No Pictogram	No Signal Word	H412	P103 <sup>b</sup> P273	No response statements	No storage statements	P501

Dangerous Goods:

Not a DG, signal word = danger

Packaging Group:

III

Hazardous Substance (HSNO) Codes:

6.1E (May be harmful to humans)

6.3B (Mild skin irritant)

8.3A (Eye corrosive)

9.1C (Harmful to aquatic life)

Hazard Statement:

H303: May be harmful if swallowed.

H316: Causes mild skin irritation.

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

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## Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P310: Immediately call a POISON CENTER or doctor/physician.

P332+P313: If skin irritation occurs: Get medical advice/ attention.

P273: Avoid release to the environment.

P305+351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use:

Please follow the product label instructions

Appearance:

Grey to tan dry, free flowing granules.  
Characteristic odour

## Ingredients

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Ingredients	CAS #	Content %
Fosetyl Aluminium	39148-24-8	80.00
Nonylphenol ethoxylate, branched	68412-54-4	6.18
Lignosulfonic acid, sodium salt, sulfomethylated	68512-34-5	4.40
Crystalline quartz (respirable)	14808-60-7	0.16

## 4. FIRST AID MEASURES

General information:	In case of accident, or if you feel unwell, seek medical advice (show the label where possible).
Ingestion:	If swallowed, this product may cause gastrointestinal tract irritation. If ingestion occurs, do not induce vomiting. To dilute the ingested product, give affected person one or two glasses of water or milk. Never give an unconscious person anything by mouth. Place in recovery position. Obtain medical advice immediately.
Eye Contact:	Potentially cause eye damage. Rinse opened eye for several minutes under running water. If irritation persists seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Skin Contact:	Causes mild skin irritation. Immediately take off all contaminated clothing. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice.

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## 4. FIRST AID MEASURES

Inhalation:	If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice. Unlikely to present an inhalation hazard as the product is a granule. If breathing problems develop, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically. Call a doctor or poison control centre for guidance, or call NZ Poisons Centre on 0800 764 766.

## 5. FIRE FIGHTING MEASURES

Specific Hazards:	No specific hazard.
Suitable Extinguishing Media:	Keep fire exposed containers cool by spraying with water. Appropriate fire extinguishers are CO <sub>2</sub> , Powder or Alcohol resistant foam. Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away and move all other personnel to windward side of fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.

## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so.
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## 6. ACCIDENTAL RELEASE MEASURES

Minor Spills (Up to 20 kg):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer.
Major Spills (more than 20 kg):	Wear protective clothing. Clear area of unprotected personnel. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority. Contaminated absorbent and wash water should be disposed of according to local and national regulations.  Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

## 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin. Avoid inhaling any dust. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Keep away from sources of ignition – No smoking, eating or drinking while handling this product. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking or smoking. Read the label before use.
Conditions for safe Storage including incompatibilities:	Keep out of the reach of children. Store in original container in a cool, dry, ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children and animals. Do not allow product to get wet in storage.
Protection against fire and explosion:	Keep away from heat sources even though the product is not combustible. The product is not explosive. Keep away from oxidizing agents.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices 8 <sup>th</sup> edition)
Engineering Controls:	Keep away from foodstuffs, beverages and feed. Always use with adequate ventilation. Wash hands before breaks and at the end of work.
Hand protection:	Suitable chemical resistant gloves are recommended for applicants.
Eye protection:	Wear safety glasses or full face shield if splashes are likely to occur.
Body protection:	Body protection must be chosen depending on activity and possible exposure, for example apron, protecting boots. Skin protection not ordinarily required beyond standard issue work clothes. It is good practice to wear chemical resistant gloves.
General safety and hygiene measures:	Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Avoid contact with the skin, eyes and clothing. Store work clothing separately.
Environmental Exposure Controls:	Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

S Substance	CAS #	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Silica fume			2 <sup>(a)</sup>		

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Grey to tan dry, free flowing granules. Characteristic odour
Solubility:	Water dispersible
Specific Gravity:	28 - 35 lb/ft <sup>3</sup>
Flash Point:	>93 °C
pH Value:	3.0 - 4.0 at 5.0 %
Formula:	Granular mixture
Chemical Family:	Organophosphate Aluminium derivative
Other:	NA
Exposure Standards (TLV-TW):	Refer to section 8
Engineering Controls:	Refer to section 8

## 10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
Incompatibility or conditions to be avoid:	Avoid strong oxidising and reducing agents. Avoid heat, sparks and open flame.
Corrosive Properties:	Potentially corrosive to eyes.
Thermal Decomposition:	The formation of toxic/irritant gases/vapours may occur if over-heated.

## 11. TOXICOLOGICAL INFORMATION

### For the substance (final product):

Skin corrosion/irritation:	HSNO classification 6.3B or GHS H316, Causes mild skin irritation.
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## 11. TOXICOLOGICAL INFORMATION

Serious eye damage/eye irritation:	HSNO 8.3A or GHS H318; causes eye damage.
Respiratory or skin sensitization:	Not a respiratory or skin sensitizer.
Germ cell mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproductivity:	Not reproductive.
Acute Toxicity:	Acute oral 2000 < LD <sub>50</sub> < 5000 ppm (calculated) LD <sub>50</sub> (male/female combined rat) 2,860 mg/kg.
Chronic Toxicity:	No chronic toxicity. Fosetyl Aluminium did not cause specific target organ toxicity in experimental animal studies.

## 12. ECOTOXICITY INFORMATION

Ecological information:	HSNO 9.1C or GHS 412: Harmful to the aquatic environment. LC <sub>50</sub> (rainbow trout, 96hrs) > 120 ppm; EC <sub>50</sub> (water flea, 48 hrs) = 37 ppm. (LC <sub>50</sub> & EC <sub>50</sub> are based on a test conducted on a similar formulation)
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## 13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001.
Container Disposal:	Empty containers can be sent to landfill after cleaning if in compliance with local and national regulations.

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## 14. TRANSPORT INFORMATION

### Road and Rail

UN Number:	NA
Dangerous Goods Class:	Not a DG for transport. (ADR/RID; IMDG; IATA/ICAO)
Hazchem Code:	NA
Packaging Group:	III
Proper Shipping Name:	INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON
Segregation:	None allocated

### Marine

UN Number:	NA
Class:	Not a DG for transport. (ADR/RID; IMDG; IATA/ICAO)
Packaging Group:	III
Proper Shipping Name:	INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON

### Air Transport

UN Number:	NA
Class:	Not a DG for transport. (ADR/RID; IMDG; IATA/ICAO)
Packaging Group:	III
Proper Shipping Name:	INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON

## 15. N.Z. REGULATORY INFORMATION

EPA HSNO Number:	HSR000483
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## 15. N.Z. REGULATORY INFORMATION

ACVM approval code:	P005841
HSNO Classifications:	6.1E, 6.3B, 8.3A, 9.1C.
HSNO Controls:	Refer to HSR000483
ACVM Controls:	Refer to P005841
HSNO Approved codes of Practice:	Refer to HSR000483
ACVM Approved codes of Practice:	Refer to P005841

To avoid risks to man and the environment, comply with the instructions for use.

This information should be considered when making any hazard assessment.

### **Classification and labelling according to Regulation:**

(EC) No 1272/2008 [EU-GHS/CLP]

## 16. OTHER INFORMATION

SDS date of preparation:	10 / 04 / 2017
SDS date of revision:	10 / 04 / 2022
Emergency Contact	24 Hours
Work Hours	National Poisons Centre
Kiwicare Corporation	PO Box 913
225 Maces Road	Dunedin
PO Box 15050	Tel: 0800 764 766 (POISON)
Christchurch	
Tel: (03) 389 0778	
Fax: (03) 389 0669	

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## 16. OTHER INFORMATION

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Kiwicare web site, [www.kiwicare.co.nz](http://www.kiwicare.co.nz), or contact the supplier.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Kiwicare Corporation Limited to be accurate at the time of writing. It is given in good faith but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Kiwicare Corporation Limited and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

### Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

CLP: Classification, Labelling and Packaging

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

TLV: Threshold Limit Value

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

P Phrase: Precautionary phrase

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