

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: PLANTACOTE<sup>®</sup> Pluss  
 Other names: Plantacote 2M Pluss 14-9-15+2+ME  
 Plantacote 4M Pluss 14-9-15+2+ME  
 Plantacote 6M Pluss 14-9-15+2+ME  
 Plantacote 8M Pluss 14-8-15+2+ME  
 Plantacote 12M Pluss 14-8-14+2+ME  
 Plantacote 16M Pluss 14-8-14+2+ME

Product Use: Fertiliser

New Zealand Supplier: HortFertplus  
 Address: 18 Cabernet Crescent  
 Westgate  
 Auckland, 0614

Telephone: +64 9 478 5585

Emergency No: **0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 11 July 2019

### Section 2. Hazards Identification

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017**

**EPA Approval Code: Fertilisers (subsidiary) - HSR002571**

#### Pictograms



Irritant

Signal Word: **WARNING**

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
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6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
9.1D	H401	Toxic to aquatic life.	Aquatic Chronic 4

#### Prevention Code      Prevention Statement

P103	Read label before use.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.

**Response Code      Response Statement**

P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

**Storage Code      Storage Statement**

None Allocated	
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**Disposal Code      Disposal Statement**

P501	Triple rinse container. Cleaned packaging maybe offered for recycling or landfill in accordance with local regulations. Dispose of unwanted product as a hazardous material according to Local Regulations.
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**Section 3.      Composition / Information on Ingredients**

Ingredients	Wt%	CAS NUMBER.
Ammonium Nitrate	10-30	6484-52-2

**Section 4.      First Aid Measures**

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Immediately rinse the mouth with water, then drink a lot of water. Consult the doctor in case of persistent trouble.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

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

Symptoms:

Ingestion:	Not applicable.
Inhalation:	Not applicable.
Skin:	Not applicable.
Eyes:	Causes serious eye irritation.
Chronic:	Not applicable.

Treatment:      Treat symptomatically.

**Section 5.      Fire Fighting Measures**

<b>Hazard Type</b>	Non Flammable
<b>Hazards from decomposition products</b>	Nitrogen oxides. Ammonia. Phosphorus oxides. Sulphur oxides. Metal oxides.
<b>Suitable Extinguishing media</b>	Flood fire area with water from a distance. Do not use earth, sand, dry chemical or foam.

<b>Precautions for firefighters and special protective clothing</b>	Use self-contained breathing apparatus and chemically protective clothing. EN 469. Evacuate unnecessary personnel. Do not allow run-off from firefighting to enter drains or water courses. Symptoms may be delayed.
<b>HAZCHEM CODE</b>	<b>None allocated.</b>

**Section 6. Accidental Release Measures**

Wear PPE as detailed in Section 8. Evacuate unnecessary personnel. Do not touch or walk on the spilled product. Ventilate spillage area.

Do not allow to enter drains or water courses. May cause long lasting harmful effects to aquatic life.

Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Disposal of contaminated material as waste according to section 13.

**Section 7. Handling and Storage**

**Handling**

- Read label before use.
- Wash hands thoroughly after handling.
- Avoid release to the environment.
- Avoid contact with skin, eyes and clothing.
- Wear protective clothing as detailed in Section 8.

**Storage**

- Do not store with: Organic materials. oxidizing materials. Acids. Alkali.
- Store tightly closed in a dry, cool and well-ventilated place.
- Keep only in the original container.
- Keep out of direct sunlight.

**Section 8 Exposure Controls / Personal Protection**

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredient has exposure limits.

Workplace Exposure Standard – Time Weighted Average (WES-TWA).The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

**Engineering Controls**

Ensure good ventilation of the work station. Local exhaust and general ventilation must be adequate to meet exposure standards.

**Personal Protection Equipment**



<b>Eyes</b>	In case of dust production: protective goggles. EN 166
<b>Hands and Skin</b>	Handle in accordance with good industrial hygiene and safety practice
<b>Respiratory</b>	No respiratory protection needed under normal use conditions.
<b>General</b>	After contact with skin, wash immediately and thoroughly with plenty of water. Do not eat, drink or smoke when using this product. SECTION 9: Physical and chemical properties.

### Section 9 Physical and Chemical Properties

<b>Appearance</b>	Solid
<b>Colour</b>	Beige
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Non flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Density (at 20°C)</b>	1g/cm <sup>3</sup>
<b>Solubility in Water</b>	Very soluble
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available

### Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Stable under normal conditions of use.
<b>Hazardous Reactions</b>	No dangerous reactions known under normal conditions of use.
<b>Conditions to Avoid</b>	Water, humidity. metals. Organic Substances. Dust.
<b>Incompatible Materials</b>	Acids. Combustible materials. Reducing agents. Organic materials. Alkali. Oxidizing agent.
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products known at room temperature. Thermal decomposition generates : Metal oxides. Sulphur oxides. Phosphorus oxides. Ammonia. Nitrogen oxides.

### Section 11 Toxicological Information

#### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Causes serious eye irritation.
<b>Skin</b>	Not applicable.

#### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
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<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

Ammonium nitrate (AN) (6484-52-2)	
LD50 oral rat	2950 mg/kg bodyweight (OECD 401 method)
LD50 dermal rat	> 5000 mg/kg bodyweight (OECD 402 method)
LC50 inhalation rat (mg/l)	> 88,8 mg/l 4h

## Section 12. Ecotoxicological Information

HSNO Classes: 9.1D = Toxic to aquatic life.

<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in Soil</b>	No data available.
<b>Other adverse effects</b>	No data available.

Ammonium nitrate (AN) (6484-52-2)	
LC50 fish 1	447 mg/l 48h
EC50 Daphnia 1	490 mg/l IUCLID 5

## Section 13. Disposal Considerations

### Disposal Method:

Triple rinse container. Cleaned packaging maybe offered for recycling or landfill in accordance with local regulations. Dispose of unwanted product as a hazardous material according to Local Regulations.

**Precautions or methods to avoid:** Avoid release to the environment.

## Section 14 Transport Information

This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

## Section 15 Regulatory Information

EPA Approval Code: Fertilisers (subsidiary) - HSR002571

HSNO Classification: 6.4A, 9.1D

HSWA & EPA Controls	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	10 000kg (9.1D)
Emergency Response Plan	10 000kg (9.1D)
Secondary Containment	10 000kg (9.1D)
Restriction of Use	None

## Section 16 Other Information

### Glossary

EC<sub>50</sub>

Median effective concentration.

EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

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Please contact the New Zealand distributor, if further information is required.

Issue Date: 11 July 2019                      Review Date: 11 July 2024