

Fertigate W

Section 1: Identification of the Substance or Mixture and of the Supplier

Product name:	15-2-25 Fertigate W
Recommended use:	Fertigation fertiliser
Company details:	Grochem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
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Emergency telephone:	New Zealand 0800 CHEMCALL – 24 hours (0800 243 6225) Australia 1800 127 406 Other locations +64 4 917 9888 or The National Poisons Centre 0800 POISON (0800 764 766)
Date of preparation:	07 August 2014
Keep out of reach of children.	Read Label and Safety Data Sheet completely before using these products. Do not use until all safety directions have been read and understood.

Section 2: Hazards Identification

Hazard classification (Transport):

Dangerous Goods (Transport) Dangerous Goods Class 5.1, packing group III

Hazardous substances (HSNO):

5.1.1C (WARNING: May intensify fire; oxidiser)
6.1D (WARNING: Harmful in contact with skin, if inhaled or swallowed.)
6.3B (WARNING: Causes mild skin irritation.)
6.4A (WARNING: Causes serious eye irritation.)
9.3C (Harmful to terrestrial vertebrates)



Section 3: Composition/Information on Ingredients

Classification & type: Mixture

Material	CAS No.	Proportion (%w)
Potassium Nitrate	7757-79-1	~60%

Section 4: First Aid Measures

Symptoms of exposure:

If Swallowed:	Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain.
If in Eyes:	Causes serious eye irritation.
If on Skin:	Contact with skin may result in moderate irritation.
If Inhaled:	Inhalation of dust may result in respiratory irritation.

First aid actions:

	If medical advice is needed, have product container or label at hand.
If Swallowed:	Rinse Mouth. Call a POISON CENTRE or Doctor if you feel unwell. Do not induce vomiting.
If in Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
If on Skin:	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice.
If Inhaled:	Remove to fresh air and keep at rest in a position comfortable for breathing.

Workplace facilities: Eyewash.

Notes for medical personnel: Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard:	May intensify fire, oxidiser.
HAZCHEM code:	1Y
Combustion products:	Decomposition includes Oxides of Nitrogen, Phosphorus and Sulphur.
Extinguishing media & methods:	Use flooding quantities of water. DO NOT use dry chemical, CO ₂ or foam. Waste water should be contained or diluted with large excess.
Recommended protective clothing:	Fire-fighters to wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal protection:	See Section 8.3 for appropriate PPE.
Containment and clean up:	Contain and collect spillage. Dispose of contaminated material at an approved landfill or use as prescribed on the label.
Special requirements:	See Section 13 for instructions for the disposal of waste/contaminated material.

Section 7: Handling and Storage

Subsection 1:	Handling
Handling practices	Wear appropriate PPE as detailed in Section 8.3. Avoid breathing dust or spray. Keep away from heat/sparks/hot surfaces/open flame - No Smoking.
Subsection 2:	Storage
Site requirements	Store in a cool dry place away from clothing, other combustibles and foodstuffs. Sites holding or using 1000kg or more of this product should hold a Hazardous Substance Test certificate.
Packaging	UN Packing group III. It is preferable to keep stored in original packaging.

Section 8: Exposure Controls/Personal Protection

Subsection 1:	Workplace Exposure Guidelines (may also be considered in section 2)
Workplace exposure standards	No exposure standards have been set for this substance.
Subsection 2:	Engineering Controls
Exposure control measures	Use only outdoors or in a well-ventilated area. Avoid generating and inhaling dust. Use with local exhaust ventilation or while wearing dust respirator or air-supplied mask.
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear eye/face, gloves and protective clothing.
General hygiene	Do not eat, drink or smoke while using this product. Wash contaminated clothing before reuse. Wash hands thoroughly after handling.

Section 9: Physical and Chemical Properties

Appearance	Off White Powder	pH	Typically ~4.5
Odour	Distinctive	Boiling point (degC)	N/A
Specific gravity (kg/L)	N/A	Freezing point (degC)	N/A
Solubility	Soluble in water	Flammability Information	Not flammable – will intensify fire

Section 10: Stability and Reactivity

Stability of substance:	Will decompose when heated (fire) or in contact with corrosives (Acid or Alkali).
Conditions to avoid:	Fire will be caused to burn with greater intensity.
Material to avoid:	Take precautions to avoid mixing with combustibles.
Hazardous decomposition products:	Includes Oxides of Nitrogen, Phosphorus and Sulphur.
Hazardous polymerization	Will not occur.

Section 11: Toxicological Information

Data and interpretation: Oral LD50 (calculated) 1440mg/kg.
See Section 2 for general hazard information.

Section 12: Ecological Information

Potential Environmental Interactions: Designed as a fertiliser to aid plant growth. Concentrated or excessive release is likely to have a detrimental effect on the environment. No data is available.

Section 13: Disposal Considerations

Product disposal: Dispose of only by using in accordance with the label instructions or at an approved landfill.

Container disposal: Render packaging incapable of holding product and dispose of at an approved landfill. Do not incinerate.

Section 14: Transport Information

UN Number: 1479

DG Class and Subsidiary Group: 5.1

Proper shipping name: Oxidising Solid, NOS

Packing group: III

Common name: Fertiliser containing nitrate

HAZCHEM code: 1Y

Special precautions: Do not carry more than 5kg on a passenger service vehicle.
Do not transport on the same vehicle as Class 1 (explosive), 2.1 (flammable gas), 2.3 (toxic gas).
Use a segregation device if transporting with Class 3 (flammable liquid), 4 (flammable solid), 5.2 (Organic peroxide), 6.1 (toxic), 6.2 (infectious substance), 7 (radioactive) or 8 (corrosive).

Section 15: Regulatory Information

Regulatory status:	This substance is approved Pursuant to the HSNO Act 1996, under the Fertilisers – Oxidisers group standard (HSR002570).
Trigger quantities	Locations holding more than these quantities must adhere to the relevant requirements:
SDS must be available for:	0.1kg
Approved Handler	1000kg
Signage	1000kg
Emergency response plan	1000kg
Location certificates	100kg use/manufacture 1000kg stored for transport
Fire extinguishers	500kg (2 extinguishers)

Section 16: Other Information

Revision due:	7 August 2019.
Additional information:	Directions for use are found on the product label.
Glossary:	
ACVM	Agricultural Compounds and Veterinary Medicines (in relation to Group or Act 1997)
CAS	Chemical Abstract Services Number, used to uniquely identify chemical compounds
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LD50	Lethal Dose fatal to 50% of test animals/organisms
PPE	Person Protection Equipment

This SDS summarises our best knowledge of the health and safety hazard information available for this product and how to safely handle and use it. Since the use of this information and the conditions of the use of this product are not under the control of Grochem, it is the user's responsibility to determine conditions of safe use of the product.