

Phosgard™

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

Product name	Phosgard
Recommended use	A systemic fungicide for the control of Phytophthora and Pythium root rots.
Company details	Grochem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
Telephone	+64 4 237 0905
Email	grochem@grochem.com
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	8 November 2017

Section 2: Hazards Identification

Hazard classification (Transport):	Not a dangerous good for transport.
Hazardous substances (HSNO):	6.3B (WARNING: Causes mild skin irritation) 6.4A (WARNING: Causes serious eye irritation) 9.1D (Toxic to aquatic life)



Section 3: Composition/Information on Ingredients

Classification & type:

Material	CAS No.	Proportion (%w)
Phosphorous Acid as Potassium Salts	13598-36-2	40
Non-Hazardous components		to 100%

Section 4: First Aid Measures

Symptoms of exposure	No adverse health effects expected if the product is handled in accordance with this SDS and the product label. Symptoms that may arise if the product is mishandled are:
If Swallowed	May cause irritation of the mouth, nausea, vomiting and diarrhoea.
If in Eyes	Causes serious eye irritation.
If on Skin	Causes mild skin irritation.
If Inhaled	Mists may cause irritation of nose and throat.

First aid actions:

If Swallowed	Rinse mouth. Do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.
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 advice/attention.
If on Skin	If skin irritation occurs: Get medical advice/attention.
If Inhaled	Remove person to fresh air. Seek medical attention.

Workplace facilities: Eyewash facilities and safety shower should be available.

Notes for medical personnel: Treat symptomatically.

Section 5: Fire Fighting Measures

Type of hazard	Decomposition products when heated (eg in fire). Does not burn. There is no danger of violent reaction or explosion.
HAZCHEM code:	N/A
Combustion products:	Hazardous decomposition products include phosphine and oxides of phosphorus.
Extinguishing media & methods:	Use media appropriate to surrounding substances.
Recommended protective clothing:	Firefighters should wear full protective clothing and self-contained breathing apparatus if there is a risk of exposure to vapours.

Section 6: Accidental Release Measures

Personal protection	See Section 8.3 for appropriate PPE.
Containment and clean up:	Absorb and collect spillage. Dispose of collected material at an approved landfill. Product is slippery and the area should be washed down if appropriate.
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. Read label before use. Wash thoroughly after handling.
Subsection 2	Storage
Site requirements	Store in areas where children do not have access. Segregate from foodstuffs.
Packaging	Store product in the closed, original container.

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 in a well ventilated area. Wear appropriate PPE and avoid contact.
Subsection 3:	Personal Protective Equipment (PPE)
Detail specifications for equipment	Wear protective gloves, eye/face protection and heavy duty cotton overalls. Wear respirator if airborne mists or vapours are generated.
General hygiene	Wash thoroughly after handling.

Section 9: Physical and Chemical Properties

Appearance	Light brown liquid	pH	5.5 - 6.5
Odour	-	Boiling point (degC)	>100
Specific gravity (kg/L)	1.34	Freezing point (degC)	Not available
Solubility	Infinite in water	Flammability information	Not flammable
Vapour density	Not available	Flashpoint (degC)	Not applicable
Vapour pressure	Not available		

Section 10: Stability and Reactivity

Stability of substance	Stable under standard conditions.
Conditions to avoid:	Avoid excess heat as decomposition may occur (see Section 5).
Material to avoid:	None known.
Hazardous decomposition products:	Decomposition only occurs under adverse conditions (eg fire, see Section 5).
Hazardous polymerization:	Will not occur.

Section 11: Toxicological Information

Data and Interpretation	Oral LD50: >5000 mg/kg (rat). Dermal LD50: >5000 mg/kg (rabbit). Inhalation LC50: Not available. See Section 2 for general hazard information.
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Section 12: Ecological Information

Potential environmental interactions	Toxic to aquatic life.
Data organisation:	No data is available on this product.
Environmental risk phrases:	Avoid contamination of waterways.

Section 13: Disposal Considerations

Product disposal	Use as directed on the label or dispose of at an approved facility.
Container disposal:	Triple rinse container into spray tank and bury at an approved landfill.

Section 14: Transport Information

UN number:	N/A
DG Class and Subsidiary Group:	N/A
Proper shipping name:	N/A
Packing group:	N/A
HAZCHEM code:	N/A
Special precautions:	Do not carry more than 1L on a passenger service vehicle. Segregate from foodstuffs.

Section 15: Regulatory Information

Regulatory status	Approved pursuant to the HSNO Act 1996. HSR000732. See www.epa.govt.nz for approval conditions. Registered pursuant to the ACVM Act 1997: P7169. See www.foodsafety.govt.nz for registration conditions.
HSNO Controls:	Trigger quantities for this substance:
SDS must be available for	0.1L
Signage	10,000L
Emergency plan	10,000L
Bunding	10,000L

Section 16: Other Information

Revision due:	8 November 2022
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
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LC50	Lethal Concentration fatal to 50% of test animals/organisms
LD50	Lethal Dose fatal to 50% of test animals/organisms
PPE	Personal Protective 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.