

## Nordox™ 75WG

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

<b>Product name:</b>	Nordox 75WG
<b>Recommended use:</b>	Protectant copper fungicide.
<b>Company details:</b>	Grochem (AgriNova New Zealand Limited) 15 Sunlight Grove Porirua New Zealand
<b>Telephone:</b>	+64 4 237 0905
<b>Email:</b>	grochem@grochem.com
<b>Emergency telephone:</b>	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)
<b>Date of preparation:</b>	3 August 2017

### Section 2: Hazards Identification

<b>Hazard classification (Transport):</b>	Dangerous Goods (Transport) Class 9, Miscellaneous Hazard
<b>Hazardous substances (HSNO):</b>	6.1E (WARNING: May be harmful if swallowed or inhaled) 6.4A (WARNING: Causes eye irritation) 6.9B (WARNING: May cause damage to lung through prolonged or repeated exposure) 9.1A (Very toxic to aquatic life with long lasting effects)



### Section 3: Composition/Information on Ingredients

**Classification & type: Mixture**

Material	CAS No.	Proportion (%w)
Cuprous Oxide	1317-39-1	86
Non-Hazardous components		to 100%

### Section 4: First Aid Measures

**Symptoms of exposure:**

If Swallowed	May be harmful if swallowed.
If in Eyes	Causes eye irritation.
If on Skin	Non-irritant.
If Inhaled	May be harmful if inhaled. May cause “metallic fever” similar to other metals.

**First aid actions:**

If Swallowed	If medical advice is needed, have product container or label at hand. Get medical advice/attention if you feel unwell. Call a POISON CENTRE or doctor/physician if you feel unwell.
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	Wash with soap and water
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell or if irritation persists.

**Workplace facilities:**

Eyewash and safety shower

**Notes for medical personnel:**

Treat symptomatically.

### Section 5: Fire Fighting Measures

<b>Type of Hazard:</b>	Non-flammable.
<b>HAZCHEM code:</b>	2X
<b>Combustion products:</b>	Not known.
<b>Extinguishing media &amp; methods:</b>	Keep cool, use media appropriate to surrounding material.
<b>Recommended protective clothing:</b>	Use breathing apparatus and avoid breathing dust/fumes.

### Section 6: Accidental Release Measures

<b>Personal protection:</b>	See Section 8.3 for appropriate PPE. Do not smoke or eat while handling this product. Avoid contact with eyes.
<b>Containment and clean up:</b>	Collect spillage. Do not allow to enter drains or waterways. Dispose of in a place where copper is tolerated or needed, acceptable to regulations.
<b>Special requirements:</b>	See Section 13 for instructions for the disposal of waste/contaminated material.

## Section 7: Handling and Storage

<b>Subsection 1:</b>	<b>Handling</b>
Handling practices	Nordox 75WG must be under the control of an approved handler when the substance is applied in a wide dispersive manner; or used by a commercial contractor; or applied directly onto or into water. Keep out of reach of children Wear appropriate PPE as detailed in Section 8.3. Do not breath dust/spray. Wash thoroughly after handling
<b>Subsection 2:</b>	<b>Storage</b>
Site requirements	Store in a dry cool place away from foodstuffs.
Packaging	Storage in moisture and static resistant packaging improves shelf life.

## Section 8: Exposure Controls/Personal Protection

<b>Subsection 1:</b>	<b>Workplace Exposure Guidelines (may also be considered in section 2)</b>
Exposure standards	Exposure limits have not been set for this substance.
<b>Subsection 2:</b>	<b>Engineering Controls</b>
Exposure control measures	Take precaution to avoid static discharge.
<b>Subsection 3:</b>	<b>Personal Protective Equipment (PPE)</b>
Detail specifications for equipment	Wear eye/face protection, gloves and cotton overalls
General hygiene	Wash hands after handling.

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Red/orange fine granules	<b>pH</b>	N/A
<b>Odour</b>	None	<b>Boiling point (°C)</b>	Decomposes 1800
<b>Specific gravity (kg/L)</b>	6	<b>Freezing point (°C)</b>	1235
<b>Solubility</b>	Insoluble	<b>Flashpoint (°C)</b>	Not flammable

## Section 10: Stability and Reactivity

<b>Stability of substance:</b>	Stable under normal conditions
<b>Conditions to avoid:</b>	High humidity.
<b>Material to avoid:</b>	None known.
<b>Hazardous decomposition products:</b>	Not known.
<b>Hazardous polymerization:</b>	Will not occur.

## Section 11: Toxicological Information

<b>Data and interpretation:</b>	LD50 (oral) Rat 3165 mg/kg. LD50 (dermal) >2000mg/kg.  Moderate eye irritant. May cause “metallic fever” if inhaled in a similar way to other metal dusts. See Section 2 for general hazard information.
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## Section 12: Ecological Information

<b>Potential environmental interactions:</b>	Copper is a necessary trace element in plants and animals. Excess copper becomes toxic. It is toxic to marine organisms.
<b>Data organization:</b>	Cu <sup>+2</sup> EC50 (Daphnia Magna: 48hr) 9.8ppb.
<b>Environmental risk phrases:</b>	Very toxic to aquatic life with long lasting effects.

## Section 13: Disposal Considerations

<b>Product disposal:</b>	Use as directed on label or dispose of in a place where copper is needed or tolerated.
<b>Container disposal:</b>	Burn if conditions allow or bury at an approved landfill.

## Section 14: Transport Information

<b>UN number:</b>	3077
<b>DG class and subsidiary group:</b>	9
<b>Proper shipping name:</b>	Environmentally Hazardous Substance, Solid, NOS
<b>Packing group:</b>	III
<b>HAZCHEM code:</b>	2X
<b>Special precautions:</b>	Do not carry more than 3kg on a passenger service vehicle.

## Section 15: Regulatory Information

<b>Regulatory status:</b>	Registered pursuant to the ACVM Act 1997, No. P6085. See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions. Approved Pursuant to the HSNO Act 1996, Number HSR000603. See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for approval conditions.
<b>HSNO Controls:</b>	Trigger quantities for this substance:
Tracking	Exempt
Approved Handler Test Certificate	Required for application (See section 7)
SDS must be available for	3kg
Signage	100kg
Emergency plan	100kg

**Section 16: Other Information**

**Revision due:** 3 August 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
EC50	Concentration of a compound where 50% of its effect is observed
HSNO	Hazardous Substances and New Organisms (legislation 1996)
LD50	Lethal Dose to kill 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.