

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** YATES MANCOZEB PLUS GARDEN FUNGICIDE & MITICIDE

**Recommended Use:** Multi-purpose fungicide and miticide for use on vegetables, ornamentals, fruit and lawns.

**Supplier:** Yates Australia, a division of DuluxGroup (Australia) Pty Ltd  
**ABN:** 67 000 049 427  
**Street Address:** 1 Gow Street,  
Padstow, NSW 2211  
Australia  
**Telephone Number:** +61 2 9781 8777  
**Facsimile:** +61 2 9781 8825  
**Emergency Telephone:** **1 800 033 111 (ALL HOURS)**

## 2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

**Risk Phrases:** Irritating to skin. May cause sensitisation by skin contact. Toxic to aquatic organisms. Possible risk of harm to the unborn child.

**Safety Phrases:** Do not breathe dust. Avoid contact with skin and eyes. In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible). Avoid release to the environment. Refer to special instructions safety data sheets.

**Poisons Schedule:** S5 Caution.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
Sulfur	7704-34-9	549 g/kg	R38
Mancozeb	8018-01-7	235 g/kg	R43, R50, Repr. Cat.3 R63
Ingredients determined not to be hazardous	-	to 100%	-

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

### Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Seek medical advice if effects persist.

### Skin Contact:

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Product Name: YATES MANCOZEB PLUS GARDEN  
FUNGICIDE & MITICIDE  
Substance No: 000000022922

Issued: 02/02/2012

Version: 1

# Safety Data Sheet

**Eye Contact:**

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**Ingestion:**

Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

**Medical attention and special treatment:**

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Hazards from combustion products:**

Non-combustible material. Decomposes on heating emitting toxic fumes including those of oxides of nitrogen and oxides of sulfur .

**Precautions for fire fighters and special protective equipment:**

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

**Suitable Extinguishing Media:**

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures:**

If contamination of sewers or waterways has occurred advise local emergency services.

**Methods and materials for containment and clean up:**

Contain - prevent run off into drains and waterways. Collect and seal in properly labelled containers.

## 7. HANDLING AND STORAGE

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

**Conditions for safe storage:**

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Keep away from children and animals. Keep containers closed when not in use - check regularly for spills.

**Precautions for safe handling:**

Keep out of reach of children. Avoid skin and eye contact and breathing in dust, vapour or mist that may be formed during processing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** No value assigned for this specific material by the National Occupational Health and Safety Commission.

**Engineering controls:**

Natural ventilation should be adequate under normal use conditions.

Product Name: YATES MANCOZEB PLUS GARDEN  
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Substance No: 000000022922

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Version: 1

# Safety Data Sheet



## Personal Protective Equipment:

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Avoid contact with eyes and skin. Do not inhale spray mist. Wash hands after use. Always wash hands before smoking, eating, drinking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Granules
<b>Colour:</b>	Brown / Grey
<b>Odour:</b>	Mild
<b>Solubility:</b>	Dispersible in water.
<b>Specific Gravity:</b>	Not available
<b>Relative Vapour Density (air=1):</b>	Not applicable
<b>Vapour Pressure (20 °C):</b>	Not applicable
<b>Flash Point (°C):</b>	Not applicable
<b>Melting Point/Range (°C):</b>	Not available
<b>Decomposition Point (°C):</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal conditions of use.
<b>Conditions to avoid:</b>	Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame.
<b>Incompatible materials:</b>	Incompatible with oxidising agents.
<b>Hazardous decomposition products:</b>	Oxides of sulfur. Oxides of nitrogen.
<b>Hazardous reactions:</b>	None known.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	Swallowing may result in nausea, vomiting, and abdominal pain.
<b>Eye contact:</b>	May be an eye irritant.
<b>Skin contact:</b>	Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.
<b>Inhalation:</b>	Material may be irritant to the mucous membranes of the respiratory tract (airways).
<b>Long Term Effects:</b>	No information available for the product.

**Toxicological Data:** No LD50 data available for the product. However, for Mancozeb (1):

Oral LD50 (rat): >5000 mg/kg

Dermal LD50 (rabbit): >5000 mg/kg

Inhalation LC50 (rat): >5.14 mg/L/4 hr

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Avoid contaminating waterways and fishponds. Avoid contaminating sewers or drains. Do not allow pets and children to enter treated areas. For Mancozeb:

**Aquatic toxicity:** Toxic to aquatic organisms.

48hr EC50 (Daphnia magna): 3.8 mg/L (1)

96hr LC50 (rainbow trout): 1.0 mg/L (1)

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods:

Refer to local government authority for disposal recommendations. Dispose of empty container by wrapping in paper, placing in a plastic bag and putting in the garbage.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

## 15. REGULATORY INFORMATION

**Classification:** This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

**Hazard Category:** Xn: Harmful  
Xi: Irritant

**Risk Phrase(s):** R38: Irritating to skin.  
R43: May cause sensitisation by skin contact.  
R51: Toxic to aquatic organisms.  
Repr. Cat 3. R63: Possible risk of harm to the unborn child.

# Safety Data Sheet



**Safety Phrase(s):** S22: Do not breathe dust.  
S24/25: Avoid contact with skin and eyes.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).  
S61: Avoid release to the environment. Refer to special instructions Safety Data Sheets.

**Poisons Schedule:** S5 Caution.

This product is registered in Australia by the Australian Pesticides & Veterinary Medicines Authority (APVMA).

## 16. OTHER INFORMATION

(1) In: 'The Pesticide Manual'. 13th Edition. Ed. CDS Tomlin. British Crop Protection Society, 2003.

**Reason(s) for Issue:**  
First Issue Primary SDS

This safety data sheet has been prepared by SDS Services.

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since DuluxGroup Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their DuluxGroup representative or DuluxGroup Limited at the contact details on page 1.

DuluxGroup Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.