

# AGPRO DIRECT SAFETY DATA SHEET

## AGPRO MANCOWALL

Issue Date: 19/11/2017

### 1. SUBSTANCE IDENTIFICATION:

#### Mancowall

|                   |   |                           |
|-------------------|---|---------------------------|
| SUPPLIER NAME:    | AGPRO NZ Limited                        |                           |
| SUPPLIER CODE:    | None                                    |                           |
| SUPPLIER ADDRESS: | 10 Polaris Place, East Tamaki, Auckland |                           |
| SUPPLIER PHONE:   | 09 273 3456                             | SUPPLIER FAX: 09 273 3457 |
| EMERGENCY PHONE:  | 0800 POISON                             |                           |
| CHEMICAL FAMILY:  | Dithiocarbamate                         |                           |

### 2. HAZARDS IDENTIFICATION:

HAZARD CLASSES:

- 6.4A: May cause serious eye irritation.
- 6.5A: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- 6.5B: May cause an allergic skin reaction.
- 6.9B: May cause organ damage to prolonged or repeated exposure.
- 9.1A: Very toxic to aquatic life with long lasting effects.

Refer to Section 15 for EPA Requirements.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS:

| COMMON NAME                     | CAS NUMBER  | CONCENTRATION |
|---------------------------------|-------------|---------------|
| mancozeb                        | 202427-59-2 | 75%           |
| Dispersing Agent, Inert carrier |             | 25%           |

### 4. FIRST - AID MEASURES:

|                  |  |
|------------------|--|
| EYE CONTACT:     | Immediately flush with flowing water for at least 15 minutes. Seek medical attention.  |
| SKIN CONTACT:    | Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse. |
| INHALATION:      | If ill-effects occur, move the victim to fresh air. If ill-effects persist, consult a doctor.  |
| INGESTION:       | Do not induce vomiting. Seek medical advice.   |
| NOTES TO DOCTOR: | Treat symptomatically.   |

### 5. FIRE FIGHTING MEASURES:

|                                    |  |
|------------------------------------|--|
| FLASHPOINT:                        | None.  |
| FLAMMABLE LIMITS:                  | None.  |
| EXTINGUISHING MEDIA:               | Dry chemical, water spray (fog), foam or carbon dioxide.   |
| THERMAL DECOMPOSITION PRODUCTS:    |  |
| SPECIAL FIRE FIGHTING METHODS:     | Vapours may be toxic. Self contained breathing apparatus required. Do not allow contaminated runoff to enter drains. |
| UNUSUAL FIRE OR EXPLOSION HAZARDS: | None.  |

### 6. ACCIDENTAL RELEASE MEASURES:

Use appropriate protective equipment. Clear area of unnecessary personnel. Spills may be slippery and should be cleaned up immediately. Large spill: Dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Minimise runoff into waterways or drains

### 7. HANDLING AND STORAGE:

Store in original container, tightly closed, away from foodstuffs, seeds, fertilisers and pesticides in a cool, well-ventilated place. Keep out of reach of children. Wash protective clothing daily after work.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established by OSHA.  
EYE PROTECTION: Where eye contact is likely, use chemical splash goggles.  
RESPIRATORY PROTECTION: No special protection needed.  
PROTECTIVE CLOTHING: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear.  
VENTILATION: General (mechanical) room ventilation is considered satisfactory.  
HYGENE PRECAUTIONS: Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands before breaks and after work.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

|  |   |                    |                  |
|--|---|--------------------|------------------|
| APPEARANCE / STATE / ODOUR:            | Yellow-brown microgranules granules. Musty odour. | pH:                | 5 – 7.           |
| BOILING POINT:                         | Not Applicable                                    | SETTING POINT:     | Not Available.   |
| BULK DENSITY:                          | 0.6-0.7g/mL @ 25°C                                | AUTOIGNITION TEMP: | Not Applicable.  |
| DECOMPOSITION TEMP:                    | Not Available.                                    | VAPOUR DENSITY:    | Not Applicable.. |
| FLASHPOINT:                            | Not Applicable.                                   | VAPOUR PRESSURE:   | Not Applicable.  |
| EXPLOSION PROPERTIES:                  | Not Applicable.                                   |                    |                  |
| SOLUBILITY:                            | Dispersible.                                      |                    |                  |
| OTHER DATA:                            |   |                    |                  |
| OCTANOL / WATER PARTITION COEFFICIENT: | Not Available.                                    |                    |                  |

### 10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Stable under normal conditions, however avoid excessive temperatures.  
MATERIALS TO AVOID: Acids.  
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of copper & chlorine.

### 11. TOXICOLOGICAL INFORMATION:

ORAL: Warning: May be harmful if swallowed LD50 (rats) >5000 mg/kg.  
DERMAL: Warning: May cause mild skin irritation and an allergic skin reaction, avoid skin contact.  
INHALATION: Warning: May cause allergy or asthma symptoms or breathing difficulties.  
EYE: Warning: Causes serious eye irritation.  
ORGAN: Warning: May cause organ damage from prolonged or repeated exposure.

### 12. ECOLOGICAL INFORMATION:

AQUATIC TOXICITY: Warning: Very toxic to aquatic life with long lasting effects.  
SOIL TOXICITY: N/A  
TERRESTRIAL VERTEBRATES: Not classed as harmful.

### 13. DISPOSAL CONSIDERATIONS:

Empty bag and add residue to spray tank. Burn the container if circumstances, especially wind direction permit. Otherwise bury in a landfill. Avoid contamination of any water supply with chemical or empty container. Do not use the container for any other purpose. Do not contaminate streams, rivers or waterways with the chemical or the used container.

### 14. TRANSPORT INFORMATION:

PROPER SHIPPING NAME: Environmentally Hazardous Substance, Solid, N.O.S. (Mancozeb)  
DG CLASS: 9  
UN NUMBER: 3077  
HAZCHEM: 2X  
PACKING GROUP: III



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### 15. REGULATORY INFORMATION:

APPROVED HANDLER:

This product must be under the control of an approved handler when used in a wide dispersive manner or by a contractor.

See the EPA Website for more details:

[www.epa.govt.nz](http://www.epa.govt.nz)

EPA Approval Code:

HSR002701

ACVM Pesticide Number:

P009359

### 16. OTHER INFORMATION:

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.