

# Material Safety Data Sheet

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY:

PRODUCT NAME: **MONDO**  
MANUFACTURER: Zelam Ltd  
SUPPLIER NAME: Zelam Ltd  
SUPPLIER ADDRESS: 13-15 Hudson Rd, Bell Block, New Plymouth, New Zealand  
SUPPLIER PHONE: +64 6 7559234 SUPPLIER FAX: +64 6 7551174  
EMERGENCY PHONE: 0800 243 622, 0800 CHEMCALL INTERNATIONAL EMERGENCY PHONE: +64 4 917 9888  
CHEMICAL FAMILY: Azole, Oximinoacetate USE: Beet Fungicide

## 2. HAZARDS IDENTIFICATION:

6.1D; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.  
6.5B; Harmful - may cause skin sensitization from prolonged skin contact. Avoid skin contact.  
6.8B; Harmful - may cause reproductive/developmental damage from repeated oral exposure.  
6.9B; Harmful - may cause organ damage from repeated oral exposure at high doses.  
9.1A; Very toxic to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.  
9.3C; Harmful to terrestrial vertebrates [birds].  
Refer to Section 15 for NZ EPA Requirements.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Trifloxystrobin	141517-21-7	< 40	
Cyproconazole	94361-06-5	<20	
Inerts		Balance	

## 4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation persists.  
SKIN CONTACT: Immediately flush with plenty of water while removing contaminated clothing. DO NOT scrub the skin. Continue for at least 15 minutes. Wash clothing before reuse.  
INHALATION: If inhaled, move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth. Obtain medical attention.  
INGESTION: If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.  
NOTES TO DOCTOR: No specific antidote. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not applicable. HAZCHEM CODE: 2 X  
FLAMMABLE LIMITS: Not available  
EXTINGUISHING MEDIA: Foam, Carbon dioxide, Dry chemical or Water spray (fog).  
THERMAL DECOMPOSITION PRODUCTS: Thermal decomposition may release toxic vapours.  
SPECIAL FIRE FIGHTING METHODS: Self contained breathing apparatus required. Do not allow contaminated run-off 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:

Harmful - Keep out of reach of children.  
Store in original container, tightly closed away from food, food related materials, animal feedstuffs, seed or fertilizer.  
Wear personal protective equipment appropriate to the situation when handling product. Wash protective clothing daily after work.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: No exposure limits (WES, TEL, or EEL's) have been specifically assigned for this product  
EYE PROTECTION: Avoid contact with eyes. Wear safety glasses when there is a risk of a splash.  
RESPIRATORY PROTECTION: Not normally required. Exceptions: in the case of fire or during the formation of mists or aerosols.  
PROTECTIVE CLOTHING: Avoid skin contact, chemical resistant gloves should be worn whenever handling this product. If contamination of clothing is likely, full protective clothing should be worn.  
VENTILATION: General room ventilation is considered satisfactory.  
HYGIENE 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. The use of a skin barrier cream is useful to give additional skin protection.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR:	White Liquid		
BOILING POINT:	Not available	pH:	5 - 6.5
DENSITY:	1.14	SETTING POINT:	Not available
DECOMPOSITION TEMP:	Not available	AUTOIGNITION TEMP:	Not applicable
FLASHPOINT:	Not applicable	VAPOUR DENSITY:	Not available
EXPLOSION PROPERTIES:	Not applicable	VAPOUR PRESSURE:	Not available
SOLUBILITY:	Disperses in water		
OTHER DATA:	None		
OCTANOL / WATER PARTITION COEFFICIENT:	Not available		

## 10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID:	None
MATERIALS TO AVOID:	None
HAZARDOUS DECOMPOSITION	Thermal decomposition may release toxic vapours.

## 11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL:	> 5000 mg/Kg
ACUTE DERMAL:	> 2000 mg/Kg
ACUTE INHALATION:	> 4000 mg/L

### OTHER TOXICITY INFORMATION:

May be harmful if swallowed, inhaled or absorbed through the skin. May cause skin sensitization from prolonged skin contact, avoid skin contact. May cause reproductive/developmental damage from repeated oral exposure and organ damage from repeated oral exposure at high doses.

## 12. ECOLOGICAL INFORMATION:

Aquatic Toxicity(96h) fish; 12 mg/L (by calculation).  
Soil Toxicity: Not toxic to worms.  
Terrestrial Vertebrates - Birds: Not toxic to birds.  
Terrestrial Invertebrates - Bees: No data, not considered toxic.

Very Toxic to aquatic organisms. Avoid contamination of any water supply with this product or empty container.  
Harmful to terrestrial vertebrates [birds].

## 13. DISPOSAL CONSIDERATIONS:

Dispose of this product only by using according to the label. Triple rinse container and add rinsate to spray tank. Crush or puncture cleaned, empty containers and dispose of container at an approved landfill or Agrecovery Depot. Avoid contamination of any water supply or stream with this product or empty container.

## 14. TRANSPORT INFORMATION:

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Trifloxystrobin & Cyproconazole)		
UN Number:	3082	UN Hazard Class:	9
Packing Group:	III	Hazchem Code:	2X
Additional Information:	Do not carry more than 1 litre of this product on a passenger service vehicle.		

## 15. REGULATORY INFORMATION:

APPROVED HANDLER: The product must be under the personal control of an approved handler when:

- the product is applied in a wide dispersive manner; or
- used by a commercial contractor.

However, it may be handled by a person who is not an approved handler if:

- an approved handler is present at the facility where the substance is being handled; and
- the approved handler has provided guidance to the person in respect to the handling of the product; and
- the approved handler is available at all times to provide assistance if necessary.

Mondo must NOT be applied onto or into water.

It shall be applied at a maximum rate of 400 ml [Mondo]/ha per application and must not be applied to the same area more than 2 times in any 365 day period. An interval of at least 21 full days must be observed before reapplication to the same area.

RECORD KEEPING: A written record of use is required if 3 kg or more of this product is used within 24 hours in a place where:

- public may lawfully be present; or
- the substance is likely to enter air or water supply and leave the place where it is under control.

The information must be kept for a minimum of three [3] years.

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR101053 See <www.epa.govt.nz> for controls.  
Registered pursuant to the ACVM Act 1997. ACVM Pesticide No: P009303 See <www.nzfsa.govt.nz> for registration conditions.

## 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 product's properties.