

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

ASSURE

SUPPLIER NAME: Zelam Limited
SUPPLIER CODE:
SUPPLIER ADDRESS: Hudson Road, Bell Block
SUPPLIER PHONE: +64 6 7552234 SUPPLIER FAX: +64 6 7551174
EMERGENCY PHONE: 0800 243 622
CHEMICAL FAMILY: Azole, benzimidazole USE: Systemic fungicide

2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Carbendazim	10605-21-7	<20	Class 6,9
Inerts		<50	
Surfactants (proprietary)		<5	
Triadimenol	55219-65-3	<30	Class 6,9
Water		Balance	

3. HAZARDS IDENTIFICATION:

Toxic - may cause genetic defects.
Toxic - may cause reproductive/development damage from repeated oral exposure.
Toxic - may cause organ damage from repeated oral exposure at high doses.
Very toxic to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.
Harmful to the soil environment.
Refer to Section 15 for ERMA Requirements.

4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Get medical attention if irritation persists.
SKIN CONTACT: Immediately flush with plenty of soap and water while removing contaminated clothing. Continue for at least 15 minutes. Wash clothing before reuse.
INHALATION: If ill-effects occur, move the victim to fresh air. If ill-effects persist, consult a doctor.
INGESTION: If swallowed, drink several glasses of water or milk immediately. Call a doctor.
NOTES TO DOCTOR: Treat Symptomatically.

5. FIRE FIGHTING MEASURES:

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

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTIONS: Use appropriate protective equipment - protective overalls and gloves and safety glasses. Spills are slippery and should be cleaned up immediately. Clear area of unnecessary personnel. 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.
Warning this substance is very toxic to aquatic organisms. Avoid contamination of any water supply with this substance or empty container. This substance is harmful to the soil environment, do not allow to spill into soil.

7. HANDLING AND STORAGE:

Store in original container, tightly closed under lock and key, away from food stuffs.
Keep out of reach of children.
Wash protective clothing daily after work.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established.
EYE PROTECTION: Chemical goggles or face shield where splash may occur.
RESPIRATORY PROTECTION: Avoid breathing in vapours or aerosol from the product. Use an appropriate respirator if exposed to the vapours or aerosol from the product.
PROTECTIVE CLOTHING: When handling wear waterproof gloves, overalls and boots.
VENTILATION: General (mechanical) 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. If skin contact or contamination of clothing is likely, protective clothing should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: White liquid.
BOILING POINT: 100°C. pH: 6.5 - 7.5.
DENSITY: 1.085. SETTING POINT: Not Available.
DECOMPOSITION TEMP: Not Available. AUTOIGNITION TEMP: Not Available.
FLASHPOINT: Not Available. VAPOUR DENSITY: Triadimenol 0.0006 mPa 20°C.
EXPLOSION PROPERTIES: Not Available. VAPOUR PRESSURE: Carbendazim 0.15 mPa 25°C.
SOLUBILITY: Insoluble in water.
OTHER DATA:
OCTANOL / WATER PARTITION COEFFICIENT: Not Applicable.

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: None.
MATERIALS TO AVOID: None.
HAZARDOUS DECOMPOSITION PRODUCTS: None.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: rat LD50 > 5000 mg/kg.
ACUTE DERMAL: rat LD50 >10000 mg/kg.
ACUTE INHALATION: Not Applicable.
OTHER TOXICITY INFORMATION: Toxic - may cause genetic defects.
Toxic - may cause reproductive/development damage from repeated oral exposure.
Toxic - may cause organ damage from repeated oral exposure at high doses.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: Very toxic to fish. LC50 (96 hr) : 3.2 mg/L
Soil Toxicity: Harmful to worms.
Terrestrial Vertebrates - Birds: Not toxic to birds
Terrestrial Invertebrates - Bees: Not toxic to bees.
Warning - Very toxic to aquatic organisms. Avoid contamination of any water supply with this product or empty container.
Harmful to the soil environment

13. DISPOSAL CONSIDERATIONS:

Triple rinse container and add residue to spray tank. 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 UN Hazard Class: 9.
UN Number: 3082 Packing Group: III
Hazchem Code: 2X
Additional Information: Contains Carbendazim.

15. REGULATORY INFORMATION:

Approved Handler.
An approved handler is required where a) The product is applied in a wide dispersive manner (aerial, motorised equipment). b) By a commercial contractor. c) Directly onto or into water.
If an approved handler is present at the facility where the substance is being handled, or the approved handler has provided guidance to the person in respect to the handling of the product and is present at all times a non approved handler may handle the product. Note: The approved handler can be in contact by the use of a cellphone.

Record Keeping.
A written record of each application or discharge must be kept where members of the public may lawfully be present, the substance is likely to enter the air or water and leave the area, or more than 3 Kg is applied within 24 hours in a place where where the substance is likely to enter the air or water and leave the place. The information must be kept for a minimum of three years.

This product DOES NOT have Tracking Requirements.

ERMA Approval Code: HSR000456. ACVM Pesticide Number: P005593.
See the ERMA Website for more details: www.ermanz.govt.nz

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.