

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

#### PROSTAR

SUPPLIER NAME: Zelam Limited  
MANUFACTURER: Zelam Limited  
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand  
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EMERGENCY PHONE: 0800 243 622, 0800 CHEMCALL INTERNATIONAL EMERGENCY PH: +64 3 353 0199  
CHEMICAL FAMILY: Triazole USE: Fungicide

### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Emulsifiers		10.0	
Myclobutanil	88671-89-0	12.5	Class 6, 9.
Water		Balance	

### 3. HAZARDS IDENTIFICATION:

Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.  
Harmful - may cause eye irritation. Avoid contact with eyes.  
Harmful - may cause skin irritation. Avoid contact with skin.  
Toxic - may cause reproductive/development damage from repeated oral exposure.  
Harmful - may cause organ damage from repeated oral exposure at high doses.  
Toxic to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.  
Refer to Section 15 for ERMA Requirements.

### 4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation persists.  
SKIN CONTACT: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. DO NOT scrub skin. 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, rinse mouth with water. DO NOT induce vomiting. For advice contact the National Poisons Centre [ 0800 764 766]. Seek medical advice.  
NOTES TO DOCTOR: Treat symptomatically. Solvent component aspirated into lungs may cause acute chemical pneumonitis. Antihistamines or steroid creams have been effective in treatment of skin.

### 5. FIRE FIGHTING MEASURES:

FLASHPOINT: >93°C. HAZCHEM Code: 2 X  
FLAMMABLE LIMITS: Not Applicable.  
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.  
THERMAL DECOMPOSITION PRODUCTS: Vapours may be toxic. Ultimate decomposition products of combustion may include oxides of nitrogen carbon and hydrogen chloride.  
SPECIAL FIRE FIGHTING METHODS: Vapours may be toxic. Self contained breathing apparatus required. Do not allow contaminated run-off to enter drains.  
UNUSUAL FIRE OR EXPLOSION HAZARDS: Combustible liquid.

### 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. It may be disposed of as an industrial waste in a manner acceptable to good waste management practice in a land fill and in compliance with all regulations.

### 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: Wear a face shield or full chemical workers goggles where there is a risk of a splash.  
RESPIRATORY PROTECTION: Not normally required. Exceptions: during the formation of mists or aerosols or in the case of fire.  
PROTECTIVE CLOTHING: Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers (worn outside rubber boots) when using.  
Wash protective clothing daily after work.  
VENTILATION: Transfer or mix with adequate mechanical ventilation.  
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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Clear brown liquid with characteristic aromatic solvent odour.

BOILING POINT:	184°C	pH:	Neutral.
DENSITY:	0.982	SETTING POINT:	Not Available
DECOMPOSITION TEMP:	Not Available	AUTOIGNITION TEMP:	Not Available
FLASHPOINT:	>93 °C	VAPOUR DENSITY:	Not Available
EXPLOSION PROPERTIES:	Not Available	VAPOUR PRESSURE:	0.213 mPa at 25°C (active ingredient)
SOLUBILITY:	142 ppm (active ingredient) water		
OTHER DATA:			
OCTANOL / WATER PARTITION COEFFICIENT:	Kow log P = 2.94		

### 10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: None.

MATERIALS TO AVOID: Strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may release ammonia, carbon monoxide and carbon dioxide and oxides of nitrogen.

### 11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: Oral male rat LD 50 1600 mg/kg. Oral female rat LD 50 2290 mg/kg. [Myclobutanil tech]

ACUTE DERMAL: Dermal LD50 rabbit >5000 mg/kg non sensitiser.

ACUTE INHALATION: Slightly toxic LC50 (4hr) rats >5.0 mg/L of air.

OTHER TOXICITY INFORMATION: 6.1E; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.  
6.3A; Harmful - may cause eye irritation. Avoid contact with eyes.  
6.4A; Harmful - may cause skin irritation. Avoid contact with skin.  
6.8A; Toxic - may cause reproductive/development damage from repeated oral exposure.  
6.9B; Harmful - may cause organ damage from repeated oral exposure at high doses.

### 12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: Toxic to fish. LC50 (96 hr) for Rainbow trout 3.9 mg/L.  
Soil Toxicity: Not toxic to worms.  
Terrestrial Vertebrates - Birds: Not toxic to birds. LD50 Mallard duck >5000 ppm.  
Terrestrial Invertebrates - Bees: Not toxic to bees.

9.1B; Toxic to fish/aquatic organisms with long lasting effects. Avoid contamination of any water supply with this product or empty container.

### 13. DISPOSAL CONSIDERATIONS:

Dispose of this product only by using according to the label. Rinse container until wash water is clear 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	UN Hazard Class:	9.
UN Number:	3082	Packing Group:	III
Hazchem Code:	2X		
Additional Information:	Contains Myclobutanil.		

Do not carry more than 1 L of this product on a passenger service vehicle

### 15. REGULATORY INFORMATION:

This product DOES NOT have Tracking Requirements and DOES NOT require an Approved Handler.

Prostar shall NOT be applied onto or into water.

Stock are not to be grazed in areas where this product has been used.

RECORD KEEPING: A written record of each application or discharge must be kept where -  
a) members of the public may lawfully be present; or  
b) the substance is likely to enter the air or water and leave the area where it is under control.  
The information must be kept for a minimum of three [3] years.

NZ EPA Approval Code: HSR000491.  
ACVM Pesticide Number: P005834.  
See the NZ EPA Website for more details: [www.epa.govt.nz](http://www.epa.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.