

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

ZELAM PROCHLORAZ 450

SUPPLIER NAME: Zelam Limited
MANUFACTURER: None
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CHEMICAL FAMILY: Imidazole USE: Fungicide

2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Aromatic Solvent	64742-94-5	> 30 %	Class 3, 6, 9
Inerts		< 15 %	
Prochloraz	67747-09-5	45 %	Class 6, 9

3. HAZARDS IDENTIFICATION:

3.1D: Warning - combustible liquid.
Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.
Harmful - may cause skin irritation. Avoid contact with skin.
Harmful - may cause eye irritation. Avoid contact with eyes.
Harmful - 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 terrestrial vertebrates [birds].
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. 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, DO NOT induce vomiting. Give nil by mouth. Take to hospital without delay.
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: >61°C. HAZCHEM Code: 2X
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.
Warning this substance is very toxic to aquatic organisms. Avoid contamination of any water supply with this substance or empty container.

7. HANDLING AND STORAGE:

Harmful - Keep out of reach of children.
Keep away from naked flame.
Store in original container, tightly closed away from foodstuffs. Wash protective clothing daily after work.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: No exposure limits (TEL, or EEL's) have been specifically assigned for this product.
EYE PROTECTION: Chemical goggles or face shield where splash may occur.
RESPIRATORY PROTECTION: Avoid breathing in vapours or aerosol from the product. For short term exposure to mists and aerosols use a mask and filter eg. Filter A-P2 or a filter canister for organic vapours.
PROTECTIVE CLOTHING: When handling wear waterproof gloves, overalls and boots.
Wash protective clothing daily after work.
VENTILATION: Transfer or mix with adequate mechanical ventilation. General (mechanical) room ventilation is considered satisfactory.
Use in a well ventilated area.
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: Amber to dark brown mobile liquid.

BOILING POINT:	184°C	pH:	Neutral
DENSITY:	1.07	SETTING POINT:	Not Available
DECOMPOSITION TEMP:	Not Available	AUTOIGNITION TEMP:	450°C
FLASHPOINT:	>61°C	VAPOUR DENSITY:	Not Available
EXPLOSION PROPERTIES:	Not Available	VAPOUR PRESSURE:	6.5 x10 ⁻⁵ at 25°C (active ingredient)
SOLUBILITY:	55 ppm (active ingredient)		
OTHER DATA:	None		
OCTANOL / WATER PARTITION COEFFICIENT:	log Kow 4.38		

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 rat LD 50 2,500 mg/kg.

ACUTE DERMAL: Dermal LD50 rabbit >2000 mg/kg non sensitiser

ACUTE INHALATION: Slightly toxic LC50 rats >5.85 mg/L of air

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

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: Very toxic to fish LC 50 (96 hr) for Rainbow trout : 1.5 mg/L.

Soil Toxicity: Not toxic to worms.

Terrestrial Vertebrates - Birds: Harmful to birds.

Terrestrial Invertebrates - Bees: Bees Contact LC 50: >50µ/bee.

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

9.3C; 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 UN Hazard Class: 9.

UN Number: 3082 Packing Group: III

Hazchem Code: 2X

Additional Information: Contains Prochloraz.

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

This product requires segregation from certain other Classes of Dangerous Goods. Check the latest LTSA DG Rule 45001 for additional information.

15. REGULATORY INFORMATION:

Do NOT apply this product onto or into water.

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

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 and leave the place where it is under control.

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

This product DOES NOT have Tracking Requirements.

See the ERMA Website for more details: www.ermanz.govt.nz
ERMA Approval Code: HSR000636. ACVM Pesticide Number: P005945.

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.