

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

### **ZELAM CIPC**

SUPPLIER NAME: Zelam Limited  
MANUFACTURER: Zelam Limited  
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand  
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CHEMICAL FAMILY: Carbamate Herbicide USE: Pre-emergence herbicide for the control of grass weeds

## 2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Aromatic Solvents	64742-94-5	Balance	Class 3, 6, 9
Chlorpropham	101-21-3	40%	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 eye irritation. Avoid contact with eyes.  
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.  
Very Toxic to the soil environment.  
Refer to Section 15 for NZ EPA 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 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: Autopsies of animals have shown inflammation of the stomach, intestinal lining, congestion of the brain, lungs and other organs. For gastric lavage protect the airways.

## 5. FIRE FIGHTING MEASURES:

FLASHPOINT: >61°C HAZCHEM Code; 2X  
FLAMMABLE LIMITS: Not available.  
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.  
THERMAL DECOMPOSITION PRODUCTS: Vapours of aromatic solvents. Oxides of carbon and nitrogen Traces of hydrochloric acid.  
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: None known.

## 6. ACCIDENTAL RELEASE MEASURES:

Use appropriate protective equipment. Clear area of unnecessary personnel. Extinguish any sources of ignition. 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 in a cool, well ventilated place, away from direct sunlight and extreme heat.  
Keep 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 EELs) have been specifically assigned for this product.  
EYE PROTECTION: Chemical goggles or face shield where splash may occur. Avoid eye contact.  
RESPIRATORY PROTECTION: Not normally required except when exposed to mists or vapours from heated material. Use air respirator with organic vapour canister or self contained breathing apparatus.  
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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Tan mobile liquid with aromatic solvent odour.

This MSDS Consists of 16 Sections.

BOILING POINT:	184°C.	pH:	7.
DENSITY:	1.004.	SETTING POINT:	Not available.
DECOMPOSITION TEMP:	150°C (active ingredient)	AUTOIGNITION TEMP:	Not available.
FLASHPOINT:	>61°C.	VAPOUR DENSITY:	Not available.
EXPLOSION PROPERTIES:	Not available.	VAPOUR PRESSURE:	Not available.
SOLUBILITY:	Formulation dispersible in water. Active 89 mg/L.		
OTHER DATA:	None		
OCTANOL / WATER PARTITION COEFFICIENT:	Not available.		

### 10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Avoid heating product above 60°C.

MATERIALS TO AVOID: Strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Vapours of aromatic solvent, oxides of carbon and nitrogen, chlorine containing compounds.

### 11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: Rat LD50 acute oral: 1200 mg/kg Rabbits LD50 acute oral: 5000 mg/kg.

ACUTE DERMAL: Rabbits LD50 acute dermal: 15800 mg/kg. [Chlorpropham tech].

ACUTE INHALATION: LC50 rats (4hr) 32 mg/L. [Chlorpropham tech]

OTHER TOXICITY INFORMATION: 6.1E; Harmful - may be harmful if swallowed, inhaled or absorbed through the 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: Toxic to fish. LC50 for rainbow trout is 3 - 6 ppm

Soil Toxicity: Very toxic to the soil environment.

Terrestrial Vertebrates - Birds: Not toxic to birds.

Terrestrial Invertebrates - Bees: Not toxic to bees.

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

9.2A; Very toxic to the soil environment. Herbicide - very toxic to some plant species (certain plants may be killed or damaged from root uptake of this product).

### 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 Number: 3082

Hazchem Code: 2X

Additional Information: Contains Chlorpropham.

UN Hazard Class: 9.

Packing Group: III

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

Diva requires segregation from certain other Classes of Dangerous Goods. Check the latest LTSA DG Rule 45001 for specific information.

### 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.

Zelam CIPC shall NOT be applied onto or into water.

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.

This product DOES NOT have Tracking Requirements.

NZ EPA Approval Code: HSR000651

ACVM Pesticide Number: P005946.

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.