

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

ZELAM CIPC

SUPPLIER NAME: Zelam Limited
SUPPLIER CODE: None
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:

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.
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 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, while removing contaminated clothing. 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, DO NOT induce vomiting. Rinse mouth but do not swallow. Take to hospital without delay.
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:

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established by OSHA.
EYE PROTECTION: Chemical goggles or face shield where splash may occur.
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.
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.
ACUTE INHALATION: LC50 rats (4hr) 32 mg/L.
OTHER TOXICITY INFORMATION: 6.1E; Harmful - may be harmful if swallowed, inhaled or absorbed through the skin.
6.3A; 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: 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/aquatic organisms with long lasting effects. Avoid contamination of any water supply with this product or empty container.
9.2A; Very toxic to the soil environment. Selective herbicide - very toxic to some plant species (certain plants may be killed or damaged from root uptake of this product).

13. DISPOSAL CONSIDERATIONS:

Triple rinse container and add residue to spray tank. Burn the container if circumstances, especially wind direction permit. Otherwise bury in a landfill. Avoid contamination of any water supply with chemical or empty container. Do not use the container for any other purpose.

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 Chloropham.

15. REGULATORY INFORMATION:

Approved Handler
An approved handler is required when this substance is being applied by a commercial contractor, or directly into or onto water. The approved handler must have the product under personal control at all times or it must be locked up. However 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 if more than 3 Kg is applied within 24 hours in a place where the substance is likely to enter air or water and leave the place.

This product DOES NOT have Tracking Requirements.

See the ERMA Website for more details: www.ermanz.govt.nz
ERMA Approval Code: HSR000651.
ACVM Pesticide Number: P005946.

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.