

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

VICTORY

SUPPLIER NAME: Zelam Limited
SUPPLIER CODE: None
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand
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CHEMICAL FAMILY: Pyridinoloxyacetic acetic acid ester USE: Herbicide

2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
glycol ether	112-34-5	<20	
surfactants (proprietary)		<12	
triclopyr butoxyethyl ester	064700-56-7	85	Class 6, 9.

3. HAZARDS IDENTIFICATION:

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 skin sensitisation from prolonged skin contact. Avoid skin contact.
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.
Very Toxic to the soil environment.
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 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. Seek medical advice.
NOTES TO DOCTOR: No specific antidote. Danger from lung aspiration must be weighed against toxicity when emptying stomach. If lavage is performed suggest endotracheal and/or esophageal control.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: >62°C. HAZCHEM Code; 2X
FLAMMABLE LIMITS: Not established.
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.
THERMAL DECOMPOSITION PRODUCTS: Noxious fumes under fire conditions; nitrogen oxide, hydrogen chloride, phosgene may result.
SPECIAL FIRE FIGHTING METHODS: Remove from fire area if without risk or cool containers with water. Material will generate noxious fumes under fire conditions. Use self contained breathing apparatus. Do not allow runoff to drains.
UNUSUAL FIRE OR EXPLOSION HAZARDS: None.

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:

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established by OSHA. Dow Industrial hygiene guide is 2 mgm/m3 as the acid equivalent.
EYE PROTECTION: Chemical goggles or face shield where splash may occur.
RESPIRATORY PROTECTION: Transfer or mix with adequate ventilation. For confined spaces with little ventilation use a respirator with an organic vapour absorbant.
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: Amber liquid.
BOILING POINT: >200°C. pH: 3.0 - 7.0.
DENSITY: 1.18. SETTING POINT: Not Available.
DECOMPOSITION TEMP: Not Available. AUTOIGNITION TEMP: Not Applicable.
FLASHPOINT: Not Applicable. VAPOUR DENSITY: Heavier than air.
EXPLOSION PROPERTIES: Not Applicable. VAPOUR PRESSURE: 0.06 mm @ 25°C.
SOLUBILITY: Dispersible in water.
OTHER DATA:
OCTANOL / WATER PARTITION COEFFICIENT: Not Available.

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Temperatures above 100°C.
MATERIALS TO AVOID: Oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: Single dose toxicity is low.
ACUTE DERMAL:
ACUTE INHALATION:
OTHER TOXICITY INFORMATION: 6.1D; 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.
6.5B; Harmful - may cause skin sensitisation from prolonged skin contact. Avoid skin contact.
6.9B; Toxic - may cause organ damage from repeated oral exposure at high doses.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: Very toxic to fish.
Soil Toxicity: Very toxic to the soil environment.
Terrestrial Vertebrates - Birds: Harmful to birds.
Terrestrial Invertebrates - Bees: Not toxic to bees.
9.1A; Very Toxic to fish/aquatic organisms with long lasting effects. Avoid contamination of any water supply with this product or empty container.
9.2A; 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).
9.3C; Harmful to terrestrial vertebrates [birds]

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 Triclopyr butoxyethyl ester.

15. REGULATORY INFORMATION:

Approved Handler
An approved handler is required when the substance is applied: a) In a widely dispersive manner. b) By a commercial contractor. c) Directly onto or into the 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. The approved handler can be in contact by the use of a cellphone.
Record Keeping.
Record keeping is required if more than 3 Kg is used within 24 hours in a place where the substance is likely to enter 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.
See the ERMA Website for more details: www.ermanz.govt.nz
ERMA Approval Code: HSR000829.
ACVM Pesticide Number: P005634.

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.