

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

VICTORY GOLD

SUPPLIER NAME: Zelam Limited
MANUFACTURER: Zelam Limited
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand
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CHEMICAL FAMILY: Pyridinoloxyacetic acid ester USE: Herbicide

2. COMPOSITION / INFORMATION ON INGREDIENTS:

| COMMON NAME: | CAS NUMBER: | CONCENTRATION %: | HAZARD CLASSIFICATIONS: |
|-----------------------------|-------------|------------------|-------------------------|
| Inerts | | Balance | |
| Picloram | 1918-02-1 | 5% | Class 6, 9. |
| Triclopyr Butoxyethyl Ester | 064700-56-7 | 10% | Class 6, 9. |

3. HAZARDS IDENTIFICATION:

Harmful - may cause eye irritation. Avoid contact with eyes.
Harmful - may cause organ damage from repeated oral exposure at high doses.
Harmful 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. [Selective herbicide].
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. 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: 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: Not Applicable. HAZCHEM Code: 2 [Z]
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 may result.
SPECIAL FIRE FIGHTING METHODS: Remove from fire area if without risk or cool containers with water. 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.

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.
Chemical resistant gloves and eye protection should be worn when handling this 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. 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. | pH: | 6.5 - 7.5 |
| BOILING POINT: | >100°C. | SETTING POINT: | Not available. |
| DENSITY: | 1.085 | AUTOIGNITION TEMP: | Not applicable. |
| DECOMPOSITION TEMP: | Not available. | VAPOUR DENSITY: | Heavier than air. |
| FLASHPOINT: | Not applicable. | VAPOUR PRESSURE: | 0.06 mm @ 25°C. |
| EXPLOSION PROPERTIES: | Not applicable. | | |
| SOLUBILITY: | Dispersible in water. | | |
| OTHER DATA: | None. | | |
| 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: 6.4A; 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: Harmful to fish.
Soil Toxicity: Very toxic to the soil environment
Terrestrial Vertebrates - Birds: Not toxic to birds.
Terrestrial Invertebrates - Bees: Not toxic to bees.

9.1C; Harmful 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:

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: | NOT APPLICABLE | UN Hazard Class: | N/A |
| UN Number: | N/A | Packing Group: | N/A |
| Hazchem Code: | 2 [Z] | | |
| Additional Information: | Contains Picloram and Trichlopyr BEE. | | |

15. REGULATORY INFORMATION:

APPROVED HANDLER: The product shall 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.

Victory Gold shall NOT be applied onto or into water.

RECORD KEEPING: Record keeping is required if 3 kg or more 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.

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

This product DOES NOT have Tracking Requirements.

This product is not for use on food crops or fodder.

NZ EPA Approval Code: HSR000555 ACVM Pesticide Number: P07889
See the NZ EPA Website for more details: 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 product's properties.