

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

### PYCUS

SUPPLIER NAME: Zelam Limited  
SUPPLIER CODE: None  
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand  
SUPPLIER PHONE: +64 6 755 9234 SUPPLIER FAX: +64 6 755 1174  
EMERGENCY PHONE: 0800 243 622, 0800 CHEMCALL INTERNATIONAL EMERGENCY PH: +64 3 353 0199  
CHEMICAL FAMILY: Diphenyl ether & Pyridine carboxylic acid USE: Herbicide.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Inerts		Balance	
Oxyfluorfen	42874-03-3	12 %	Class 6, 9
Picloram	1918-02-1	4 %	
Silicone	125997-17-3	8 %	

## 3. HAZARDS IDENTIFICATION:

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.  
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 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, seek medical attention.  
INGESTION: If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.  
NOTES TO DOCTOR: No specific antidote. Treat Symptomatically.

## 5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not Applicable HAZCHEM Code; 2X  
FLAMMABLE LIMITS: Not Applicable  
EXTINGUISHING MEDIA: Foam, Carbon dioxide, Dry chemical or Water spray (fog).  
THERMAL DECOMPOSITION PRODUCTS: Irritating vapour. Oxides of nitrogen, & carbon.  
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

## 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:

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.  
EYE PROTECTION: Chemical goggles or face shield where splash may occur.  
RESPIRATORY PROTECTION: 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: Chemical resistant gloves. Avoid skin contact.  
VENTILATION: General 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 Suspension

BOILING POINT:	> 100 °C	pH:	5 - 7
DENSITY:	1.05	SETTING POINT:	< 0°C
DECOMPOSITION TEMP:	> 240 °C	AUTOIGNITION TEMP:	Not Applicable
FLASHPOINT:	Not Applicable	VAPOUR DENSITY:	Not Applicable
EXPLOSION PROPERTIES:	Not Applicable	VAPOUR PRESSURE:	Negligible at 20 °C
SOLUBILITY:	Soluble in Water		

OTHER DATA: The data given here is based on current knowledge and experience. The purpose of this safety data sheet is

OCTANOL / WATER PARTITION COEFFICIENT: Not Applicable

## **10. STABILITY AND REACTIVITY:**

CONDITIONS TO AVOID: None

MATERIALS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: Irritating vapours in the case of fire.

## **11. TOXICOLOGICAL INFORMATION:**

ACUTE ORAL: LD50 Rats > 10,000 mg/Kg (by calculation)

ACUTE DERMAL: LD50 Rats > 4,000 mg/Kg (by calculation)

ACUTE INHALATION: LC50 > 0.73 mg/L (by calculation)

OTHER TOXICITY INFORMATION: 6.3B; Harmful - may cause skin irritation, avoid skin contact.  
6.4A; Harmful - may cause eye irritation, avoid contact with eyes.  
6.5B; Harmful - may cause sensitiation from prolonged skin contact, avoid skin contact.  
6.9B; Harmful - may cause organ damage from repeated oral exposure at high doses.

## **12. ECOLOGICAL INFORMATION:**

Aquatic Toxicity: LC50 (96h) fish 1.70 mg/L (by calculation).  
Terrestrial Vertebrates - Birds: LD50 ducks 737 mg/L (by calculation).

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. 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. 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 Oxyfluorfen & Picloram		

## **15. REGULATORY INFORMATION:**

Approved Handler.  
This product must be under the personal control of an approved handler when the product is-  
[a] applied in a wide or dispersive manner; or  
[b] used by a commercial contractor.

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.

ERMA Approval Code: HSR007848  
ACVM Pesticide Number: P7774  
See the ERMA Website for more details: [www.ermanz.govt.nz](http://www.ermanz.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.