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

PRODUCT NAME: **PYCUS**  
 MANUFACTURER: Lonza NZ Ltd  
 SUPPLIER NAME: Lonza NZ Ltd  
 SUPPLIER ADDRESS: 13-15 Hudson Rd, Bell Block, New Plymouth, New Zealand  
 SUPPLIER PHONE: +64 6 7559234 SUPPLIER FAX: +64 6 7551174  
 EMERGENCY PHONE: 0800 243 622, 0800 CHEMCALL INTERNATIONAL EMERGENCY PHONE: +64 4 917 9888  
 CHEMICAL FAMILY: Diphenyl ether & Pyridine carboxylic acid USE: Herbicide.

## 2. HAZARDS IDENTIFICATION:

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 sensitisation from prolonged skin contact, avoid skin contact.  
 6.9B; Harmful - may cause organ damage from repeated oral exposure at high doses.  
 9.1B; Toxic to fish with long-lasting effects.  
 9.2A; Very toxic to the soil environment [Selective herbicide].  
 Refer to Section 15 for NZ EPA Requirements.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS:

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

## 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:

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.  
 Avoid skin and eye contact. Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers (worn outside rubber boots) when using. Wash protective clothing daily after work.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: No exposure limits (ADE, TEL, or EELs) have been specifically assigned for this product.  
 EYE PROTECTION: Avoid contact with eyes. Wear a face shield or full chemical workers goggles when there is a risk of a splash.  
 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: Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers (worn outside rubber boots) when using. Wash protective clothing daily after work.  
 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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES:**

APPEARANCE / STATE / ODOUR: Tan Suspension  
BOILING POINT: >100 °C  
DENSITY: 1.07  
DECOMPOSITION TEMP: >240 °C  
FLASHPOINT: Not applicable  
EXPLOSION PROPERTIES: Not applicable  
SOLUBILITY: Dispersible in Water  
OTHER DATA:  
OCTANOL / WATER PARTITION COEFFICIENT: Not applicable

pH: 6 - 7.5  
SETTING POINT: <0°C  
AUTOIGNITION TEMP: Not applicable  
VAPOUR DENSITY: Not applicable  
VAPOUR PRESSURE: Negligible at 20 °C

**10. STABILITY AND REACTIVITY:**

CONDITIONS TO AVOID: None  
MATERIALS TO AVOID: None  
HAZARDOUS DECOMPOSITION: 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:  
May cause skin and eye irritation, avoid skin or eye contact.  
May cause sensitiation from prolonged skin contact, avoid skin contact.  
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).

Toxic to fish with long-lasting effects. Avoid contamination of any water supply with this product or empty container.  
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 empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in an approved landfill.  
Dispose of product only by using according to this label, or at an approved disposal facility.  
Avoid contamination of any water supply or stream with product or empty container.

**14. TRANSPORT INFORMATION:**

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Oxyfluorfen & Picloram)  
UN Number: 3082 UN Hazard Class: 9  
Packing Group: III Hazchem Code: 2X  
Additional Information: IATA Special Provision A197 applies for containers 5L or less (not restricted).  
Do not carry more than 1 litre of this product on a passenger service vehicle.

**15. REGULATORY INFORMATION:**

APPROVED HANDLER: The product must be under the personal control of an approved handler when:  
a) the product is applied in a wide dispersive manner; or  
b) 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.

Pycus shall NOT be applied onto or into water. This product shall be applied at a maximum rate of 1.3 L Pycus/ha with a maximum application frequency of 1 application per year.

RECORD KEEPING: A written record of use is required if 3 kg [ / X ml ] or more of this product is used within 24 hours in a place where:  
a) public may lawfully be present; or  
b) 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.

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR007848 See <www.epa.govt.nz> for controls.  
Registered pursuant to the ACVM Act 1997. ACVM Pesticide No: P007774 See <www.nzfsa.govt.nz> for registration conditions.

**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.