

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

#### OXY 250 SC

SUPPLIER NAME: Zelam Limited  
MANUFACTURER: Zelam Limited  
SUPPLIER ADDRESS: Hudson Road, Bell Block, New Plymouth, New Zealand  
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CHEMICAL FAMILY: Diphenyl Ether USE: Pre and post emergence herbicide

### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Inerts		<10 %w/w	
Oxyfluorfen	42874-03-3	<30 %w/w	Class 6, 9.
Water		Balance	

### 3. HAZARDS IDENTIFICATION:

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. [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: Immediately flush with plenty of water while removing contaminated clothing. DO NOT scrub the skin. Continue for at least 15 minutes. 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. Treat symptomatically.

### 5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not applicable. HAZCHEM Code: 2 X  
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.  
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:

Harmful - Keep out of reach of children.  
Store in original container, tightly closed away from food, food related materials, animal feedstuffs, seed or fertilizer.  
Wear personal protective equipment appropriate to the situation when handling 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.  
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: PVC-coated gloves. Avoid skin contact.  
VENTILATION: No appreciable vapour pressure at normal ambient temperatures 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: Cream to tan liquid.  
BOILING POINT: 100 °C. pH: 7 to 8.  
DENSITY: 1.05. SETTING POINT: <0°C.  
DECOMPOSITION TEMP: >240°C. AUTOIGNITION TEMP: Not applicable.  
FLASHPOINT: Not applicable. VAPOUR DENSITY: Not available  
EXPLOSION PROPERTIES: Not applicable. VAPOUR PRESSURE: Negligible at 20°C.  
SOLUBILITY: Insoluble in water 0.1116 mg/L. Soluble in most organic solvents.  
OTHER DATA:  
OCTANOL / WATER PARTITION COEFFICIENT: Kow log P = 4.47.

### 10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Product is stable under normal temperatures and pressures.  
MATERIALS TO AVOID: None  
HAZARDOUS DECOMPOSITION PRODUCTS: Irritating vapours in the case of fire.

### 11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 rats and dogs >5000 mg/kg [Oxyfluorfen tech]  
ACUTE DERMAL: LD50 rabbits >10000 mg/kg [Oxyfluorfen tech]  
ACUTE INHALATION: LC50 > 5.4 mg/L [Oxyfluorfen tech]  
OTHER TOXICITY INFORMATION: 6.3B; 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.  
Target organ - liver.

### 12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: Toxic to fish. LC50 (96 hr) Rainbow trout : 1.66 mg/L  
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. 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: ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S UN Hazard Class: 9.  
UN Number: 3082 Packing Group: III  
Hazchem Code: 2X  
Additional Information: Contains Oxyfluorfen.  
Do not carry more than 1 L 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:

- 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.

Oxy 250 shall NOT be applied onto or into water.

RECORD KEEPING: A written record of use is required if 3 kg or more of this product is used within 24 hours in a place where:

- public may lawfully be present; or
- 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.

NZ EPA Approval Code: HSR000543.  
See the NZ EPA Website for more details: [www.epa.govt.nz](http://www.epa.govt.nz)

ACVM Pesticide Number: P005875.

### 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.