

# Material Safety Data Sheet

**Ignite**

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

PRODUCT NAME: **Ignite**  
MANUFACTURER: Zelam Ltd  
SUPPLIER NAME: Zelam 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: Methyl ester USE: Grass herbicide

## 2. HAZARDS IDENTIFICATION:

6.1E; Harmful - may be harmful if swallowed, inhaled or absorbed through the 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.  
9.1B; Toxic to fish/aquatic organisms with long lasting effects. Avoid contamination of any water supply with this product or empty container.  
Refer to Section 15 for NZ EPA Requirements.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS:

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Haloxyfop-P-methyl	72619-32-0	10	Class 6, 9
Surfactants and Inerts		Balance	

## 4. FIRST - AID MEASURES:

EYE CONTACT: Hold eyelids open and immediately flush eyes with flowing water for at least 15 minutes. Get prompt medical attention.  
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 ill-effects occur, move the victim to fresh air. If ill-effects persist, consult a doctor.  
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: >100 °C HAZCHEM CODE: 2X  
FLAMMABLE LIMITS: Not available  
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.  
THERMAL DECOMPOSITION PRODUCTS: Carbon Dioxide.  
SPECIAL FIRE FIGHTING METHODS: Spills may be slippery.  
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: The following potential daily exposure [PDE] values apply: TEL [drinking water] Haloxyfop-p-methyl - 0.0021 mg/L; EEL [water] Haloxyfop-p-methyl - 0.84 µg/L; EEL [soil] Haloxyfop-p-methyl - 1 mg/kg of soil dry weight.  
EYE PROTECTION: Avoid contact with eyes. Wear a face shield or full chemical workers goggles where there is a risk of a splash.  
RESPIRATORY PROTECTION: Not normally required. Exceptions: in the case of fire or during the formation of mists or aerosols.  
PROTECTIVE CLOTHING: Wear protective clothing such as impervious gloves, boots and overalls when using. Wash protective clothing daily after work.  
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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR:	Amber Liquid		
BOILING POINT:	Not available	pH:	4.0 - 7.5
DENSITY:	0.992	SETTING POINT:	Not available
DECOMPOSITION TEMP:	Not available	AUTOIGNITION TEMP:	Not available
FLASHPOINT:	>100 °C	VAPOUR DENSITY:	Not available
EXPLOSION PROPERTIES:	Not applicable	VAPOUR PRESSURE:	Not available
SOLUBILITY:	Soluble in water		
OTHER DATA:	None		
OCTANOL / WATER PARTITION COEFFICIENT:	Not available		

## 10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID:	Product is stable under normal temperatures and pressures.
MATERIALS TO AVOID:	None
HAZARDOUS DECOMPOSITION	None

## 11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL:	LD50 Rats : > 4700 mg/Kg. [By calculation]
ACUTE DERMAL:	LD50 Rats : > 14000 mg/Kg. [By calculation]
ACUTE INHALATION:	
OTHER TOXICITY INFORMATION:	
	May be harmful if swallowed, inhaled or absorbed through the skin.
	May cause eye irritation. Avoid contact with eyes.
	May cause organ damage from repeated oral exposure at high doses.

## 12. ECOLOGICAL INFORMATION:

Aquatic Toxicity:	Toxic to fish, LC50 for Fish (96 hr) : 6.37 mg/L (By calculation)
Soil Toxicity:	Not toxic to soil environment.
Terrestrial Vertebrates - Birds:	Not toxic to birds.
Terrestrial Invertebrates - Bees:	Not toxic to bees.

Toxic to fish/aquatic organisms with long lasting effects. Avoid contamination of any water supply with this product or empty container.

## 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 (Haloxypop-P-methyl)		
UN Number:	3082	UN Hazard Class:	9
Packing Group:	III	Hazchem Code:	2X
Additional Information:	Do not carry more than 1 L of this product on a passenger service vehicle. IATA Special Provision A197 applies for containers 5L or less (not restricted).		

## 15. REGULATORY INFORMATION:

APPROVED HANDLER: The product shall 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.

This product DOES NOT have Tracking, or Record Keeping Requirements.

The use of Ignite is limited to that of a herbicide and the application rate must not exceed 7.5 L Ignite /ha. An environmental exposure limit [EELsoil] has been set at 1 µg haloxypop-p-methyl /kg of dry weight soil.

A person must not apply or otherwise use this substance onto or into water, unless that person first obtains a permission from the Environmental Protection Authority under section 95A of the Hazardous Substances and New Organisms Act 1996. Go to the EPA web site for further details of the HSNO controls under Section 77A.

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR002431 See <www.epa.govt.nz> for controls. Registered pursuant to the ACVM Act 1997. ACVM Pesticide No: P007538 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.