

www.lonza.co.nz

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

PRODUCT NAME: **FOXTROT**
 MANUFACTURER: Cheminova A/S
 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: Aryloxyphenoxy propionic acid USE: Herbicide

2. HAZARDS IDENTIFICATION:

6.1E; Harmful - may be harmful if swallowed or inhaled. Aspiration hazard.
 6.3B; Harmful - may cause skin irritation. Avoid contact with skin.
 6.5B; Harmful - may cause skin 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/aquatic organisms with long-lasting effects.
 9.2D; Harmful 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:
Cloquintocet-mexyl	99607-70-2	35 g/l	
Fenoxaprop-P-ethyl	71283-80-2	69 g/L	
Inerts		Balance	
Liquid Hydrocarbon	64742-94-5	390 g/l	

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: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. If irritation persists, repeat flushing and seek medical attention. Wash clothing before reuse.

INHALATION: If inhaled and irritation develops, move the victim to fresh air and observe until recovered. If irritation becomes painful or persists for more than 30 minutes seek medical attention.

INGESTION: If swallowed, rinse mouth with water immediately. DO NOT induce vomiting. Seek medical attention.

NOTES TO DOCTOR: Aspiration hazard, due to product's low viscosity, it may enter the lungs if swallowed or subsequently vomited. Once in lungs, it is very difficult to remove and can cause serious injury or death.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: >100 °C HAZCHEM CODE: 2 X

FLAMMABLE LIMITS: Upper limit - 7%. Lower limit - 0.6%

EXTINGUISHING MEDIA: Foam, Carbon dioxide, Dry chemical or Water spray (fog).

THERMAL DECOMPOSITION PRODUCTS: Thermal decomposition may release carbon monoxide and carbon dioxide and oxides of nitrogen, hydrogen chloride gas and other chlorine compounds.

SPECIAL FIRE FIGHTING METHODS: Self contained breathing apparatus required. Do not allow contaminated run-off to enter drains.

UNUSUAL FIRE OR EXPLOSION HAZARDS: Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.

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.
 Keep in a cool, well ventilated place, away from direct sunlight and extreme heat.
 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 (TEL, or EELs) have been specifically assigned for this product.

EYE PROTECTION: Chemical goggles or face shield where splash may occur.

RESPIRATORY PROTECTION: Not normally required. Exceptions: during the formation of mists or aerosols or in the case of fire.

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 (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.

www.lonza.co.nz

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: White liquid with aromatic hydrocarbon odour

BOILING POINT:	Not available	pH:	7.3
DENSITY:	1.03	SETTING POINT:	Not available
DECOMPOSITION TEMP:	Not available	AUTOIGNITION TEMP:	No data
FLASHPOINT:	>100 °C	VAPOUR DENSITY:	No data
EXPLOSION PROPERTIES:	Not available	VAPOUR PRESSURE:	Active ingredients are negligible at normal room temperature
SOLUBILITY:	Emulsifiable in water		

OTHER DATA:

OCTANOL / WATER PARTITION COEFFICIENT: Fenoxaprop-P-ethyl 4.28 [Log Kow]

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Store out of strong sunlight.

MATERIALS TO AVOID: Avoid strong acids, strong bases, strong oxidising agents.

HAZARDOUS DECOMPOSITION: Thermal decomposition may release carbon monoxide and carbon dioxide and oxides of nitrogen, hydrogen chloride gas and other chlorine compounds.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: No data

ACUTE DERMAL:

ACUTE INHALATION:

OTHER TOXICITY INFORMATION:

- May be harmful if swallowed or inhaled. Aspiration hazard.
- May cause skin irritation and skin sensitisation from prolonged skin contact. Avoid contact with skin.
- May cause organ damage from repeated oral exposure at high doses.

12. ECOLOGICAL INFORMATION:

Aquatic Toxicity: LC50 (96h) Rainbow trout; 3.83 mg/L

Soil Toxicity: LC50 (14d) Eisenia foetida; 356 mg/kg dry soil

Terrestrial Vertebrates - Birds: LD50 Bobwhite quail: >2250 mg/kg

Terrestrial Invertebrates - Bees: LD50 (oral 48h); 356 µg/bee

Toxic to fish/aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container. Harmful 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: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Fenoxaprop-P-ethyl)

UN Number: 3082 UN Hazard Class: 9

Packing Group: III Hazchem Code: 2X

Additional Information: Do not carry more than 1.0 L of this product on a passenger service vehicle

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.

Foxtrot shall NOT be applied onto or into water

Approved pursuant to the HSNO Act 1996. NZ EPA Approval Code: HSR100112 See <www.epa.govt.nz> for controls.
Registered pursuant to the ACVM Act 1997. ACVM Pesticide No: P008030 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.