

PRODUCT SAFETY DATA SHEET

FOXTROT

1. † Identification of the Preparation and the Company:

Trade name: FOXTROT

A herbicide for use in agriculture

Company Identification:

Headland Agrochemicals Ltd.

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2. Hazards:

Irritating to skin. May cause sensitisation by skin contact. Vapours may cause drowsiness and giddiness. Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

3. Composition/Information on Ingredients:

An oil-in-water emulsion containing 69 gms/litre of fenoxaprop-p-ethyl

Hazardous components:

Active ingredient:

Fenoxaprop-p-ethyl (ISO) 7.0% w/w

CAS No. 71283-80-2

Hazard symbol Irritant Xi, Dangerous for the Environment N

Risk phrases R36 Irritating to skin

R43 May cause sensitisation by skin contact

R50 Very toxic to aquatic organisms

R53 May cause long-term adverse effects in the aquatic environment

Reportable ingredients:

Solvent naphtha heavy aromatic 38.0% w/w

CAS No. 64742-94-5

Hazard Symbol Xn, N

Risk phrases R65/66, R51/53

Ethoxylated alcohol C9-11 10% w/w

Hazard Symbol Xn Xi N

Risk phrases R22, R41, R52

Cloquintocet-mexyl 3% w/w

CAS No. 99607-70-2

Hazard Symbols Xn, N

Risk phrases R20, R43, R50/53

Oxirane, methyl-, polymer with oxirane
Mono(4-butoxyethyl) ether 1.5% w/w
CAS No. 99821-01-9

Hazard Symbol: None
Risk phrase: R53

1,2-benisohtozolin3-one 0.1% w/w
CAS No. 2634-33-5

Hazard symbols: Xn, Xi, N
Risk Phrases: R22, R38-41, R43, R50

4. **First Aid Measures:**

Eyes: Irrigate with clean water for at least 15 minutes and seek medical attention.

Skin: Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if any irritation or redness develops.

Ingestion: If swallowed wash out mouth with water and seek medical attention without delay. Do not induce vomiting.

Inhalation: Remove from exposure and provide maximum ventilation

Guide to

Doctors There is no specific antidote for exposure to this product. Treatment should be symptomatic and supportive. Administration of activated charcoal or gastric lavage can be considered.

5. **Fire Fighting Measures**

This product will not burn. If involved in a fire, fumes and vapours will be harmful and may include nitrogen oxides, hydrogen chloride, carbon monoxide, carbon dioxide and various chlorinated organic compounds. Fire fighters should wear breathing apparatus.

Extinguishing media: Use dry chemical, foam, water spray, sand or earth but avoid high pressure water jets. Prevent entry of the product or contaminated water into watercourses ditches or drains by bunding the area with sand or earth.

If possible, remove intact containers from exposure to fire and spray unopened containers with water mist to keep them cool.

6. **Accidental Release (Spillage)**

Wear suitable protective clothing (see Section 8). Remove contaminated clothing immediately. Do not eat drink or smoke. Keep bystanders away. Absorb spillage with inert material (e.g. absorbent clay, sand or earth), shovel or sweep up and transfer to a container for later removal to a safe place for disposal.

Wash down the area with plenty of water and soda lye when all traces of the spill have been removed.

Prevent the spillage from entering watercourses sewers or drains by bunding if necessary. Inform the authorities immediately if contamination of waterways, sewers or drains is threatened or occurs.

7. Storage and Handling

Wash all protective clothing thoroughly after use especially the insides of gloves. Wash hands and exposed skin before meals and after work.

Keep in original container, tightly closed.

Keep cool and dry in a suitable agricultural chemical store under lock and key away from food, drink and animal feedingstuffs and out of reach of children.

Do not store in direct sunlight or near direct sources of heat. Protect from frost.

8. Exposure Controls / Personal Protection

Wear suitable protective clothing, protective gloves and face-shield to BS2092 when handling the concentrated product or contaminated surfaces. Avoid breathing the spray mist when using. Unlined nitrile, PVC natural rubber or neoprene gloves are recommended.

Decontaminate all personal protective equipment after use.

Occupational Exposure Limits:	None applicable for fenoxaprop-p-ethyl
Solvent naphtha:	100 ppm total hydrocarbon recommended.

9. Physical and Chemical Properties

Appearance:	A white mobile liquid
Odour:	Characteristic aromatic odour
Solubility:	Completely miscible in water
Specific Gravity:	1.00
pH:	7.3 (undiluted), 6.53 (1% dilution in water)
Viscosity:	Approx. 140-2200 mPas at 20°C
Partition Coefficient:	log Kow = 4.28
Flashpoint:	None determinable above 100°C

Auto-ignition temp	>400°C
Oxidising properties	Not an oxidiser
Explosive properties	Not explosive

10. Stability and Reactivity

Stability: Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions.

Materials to avoid: Strong acids and alkalis

11. Toxicological Information

Acute Toxicity:

Acute oral LD50:	>2,000 mg/kg.bw (rat)
Acute dermal LD50:	>2,000 mg/kg.bw (rat)
Irritancy:	Irritating to skin. Mild eye irritant.
Skin sensitisation:	Potential sensitiser (Lymph Node Assay Test)

Chronic toxicity:

No carcinogenic, mutagenic or teratogenic effects have been recorded.

12. Environmental Protection

This product is toxic to aquatic organisms.

Rainbow trout: 96-hour LC50 = 3.83 mg/litre

Daphnia magna: 48-hour EC50 = 3.1 mg/litre

Desmodesmus spp. 72-hour EC50 = 5.37 mg/litre

Do not contaminate surface waters or ditches with chemical or used containers

Persistence and degradability:

This product is rapidly degraded in soils, half-life = 24 hours in aerobic conditions.

Bioaccumulation: Unlikely, due to rapid degradation

13. Disposal of Unwanted Product and Used Containers

Consult the local authorities before disposing of unwanted chemical.

Triple-rinse and puncture used containers and dispose of as permitted by local authorities. Do not re-use containers for any purpose.

14. Transport Information

Road Transport:	Environmentally hazardous liquid
UN Number:	3082
Proper Shipping Name:	Environmentally hazardous substance, liquid, N.O.S. (contains fenoxaprop-p-ethyl)
CPL Packing Group:	III
IMDG Description:	Marine pollutant
IMDG Class:	9

15. Regulatory Information

Hazard symbols:	Irritant Xi, Dangerous for the Environment N
Risk phrases:	R38 Irritating to skin
	R42 May cause sensitisation by skin contact
	R67 Vapours may cause drowsiness and giddiness
	R51 Toxic to aquatic organisms
	R53 May cause long-term adverse effects in the aquatic environment.
Safety Phrases:	S2 Keep out of reach of children
	S23 Do not breathe fumes
	S24 Avoid contact with skin
	S37 Wear suitable gloves
	S57 Use appropriate containment to avoid environmental contamination.

16. Other Information

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

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