

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Section 1: Identification

Product name : FOXTROT®

Other means of identification : Fenoxaprop-P-ethyl 69 G/L EW

Recommended use of the chemical and restrictions on use

Recommended use : Can be used as herbicide only.

Restrictions on use : Use as recommended by the label.

Manufacturer or supplier's details

Company : Cheminova A/S

Address : Thyborønvej 78
DK-7673 Harboøre
Denmark

Telephone : +45 97 83 53 53 (24 h; for emergencies only)

Emergency telephone number : +64-98010034 (CHEMTREC)
0800 764 766 (NZ Poisons Information Centre)
0800 111174 (24 hour Medical Emergency)
0800 387668 (Transport Emergency)

Section 2: Hazard identification

HSNO Classification

Acute toxicity (Oral) : 6.1E

Skin sensitisation : 6.5B

Skin irritation : 6.3B

Specific Target Organ Toxicity : 6.9B

Aquatic toxicity (Acute or Chronic) : 9.1C

Ecotoxic to soil environment : 9.2D


GHS label elements

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

- Hazard pictograms : 
- Signal word : Warning
- Hazard statements : H303 May be harmful if swallowed.
H316 Causes mild skin irritation.
H317 May cause an allergic skin reaction.
H371 May cause damage to organs.
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements : P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
- Prevention:**
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.
- Response:**
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/ physician.
- Storage:**
P405 Store locked up.
- Disposal:**
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
fenoxaprop-P-ethyl (ISO)	71283-80-2	>= 2.5 -< 10
Cloquintocet-mexyl	99607-70-2	>= 2.5 -< 10
Alcohols, C9-11, ethoxylated	68439-46-3	>= 2.5 -< 10

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Solvent naphtha (petroleum), heavy arom. glycerol	64742-94-5 56-81-5	>= 30 -< 50 >= 1 -< 10
Solvent naphtha (petroleum), heavy arom.	64742-94-5	>= 30 -< 50
Alcohols, C9-11, ethoxylated	68439-46-3	>= 2.5 -< 10
fenoxaprop-P-ethyl (ISO)	71283-80-2	>= 2.5 -< 10
glycerol	56-81-5	>= 1 -< 10
Cloquintocet-mexyl	99607-70-2	>= 2.5 -< 10

Section 4: First-aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.
Harmful if inhaled.
- Notes to physician : Treat symptomatically.

Section 5: Fire-fighting measures

- Suitable extinguishing media : Dry chemical
Foam
Water spray
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Thermal decomposition can lead to release of irritating gases and vapours.
Carbon oxides

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Hazchem Code : 3Z
-

Section 6: Accidental release measures

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
- Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
-

Section 7: Handling and storage

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
-

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

Section 8: Exposure controls/personal protection

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Solvent naphtha (petroleum), heavy arom.	64742-94-5	TWA	200 mg/m ³ (total hydrocarbon vapor)	ACGIH
glycerol	56-81-5	WES-TWA (Mist)	10 mg/m ³	NZ OEL

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Section 9: Physical and chemical properties

Appearance : liquid

Colour : white

Odour : aromatic

pH : 6.3 (25 °C)

Melting point/freezing point : < 0 °C

Boiling point/boiling range : 100 °C

Flash point : > 100 °C

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Method: Pensky-Martens closed cup

Self-ignition : > 400 °C

Density : 1,030 g/l

Solubility(ies)
Water solubility : emulsifiable

Partition coefficient: n-
octanol/water : log Pow: 4.28
Fenoxaprop-P-ethyl

Viscosity
Viscosity, dynamic : 140 - 2,200 mPa,s (20 °C)

Explosive properties : Not explosive

Oxidizing properties : Non-oxidizing

Section 10: Stability and reactivity

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reac-
tions : No decomposition if stored and applied as directed.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong oxidizing agents
Strong acids and strong bases

Hazardous decomposition
products : Carbon oxides
Nitrogen oxides (NOx)
Hydrogen chloride gas

Section 11: Toxicological information

Acute toxicity

Harmful if inhaled.

Product:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 425
Assessment: The substance or mixture has no acute oral tox-
icity

Acute inhalation toxicity : LC50 (Rat): > 4.96 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Components:

fenoxaprop-P-ethyl (ISO):

Acute oral toxicity : LD50 (Rat): 3,150 - 4,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 1.224 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: EPA OPP 81-2
Assessment: The substance or mixture has no acute dermal toxicity

Cloquintocet-mexyl:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 - 5,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): > 0.935 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Alcohols, C9-11, ethoxylated:

Acute oral toxicity : LD50 (Rat): 1,192 mg/kg

Acute inhalation toxicity : Remarks: No data available

Solvent naphtha (petroleum), heavy arom.:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat, male and female): > 4.688 mg/l
Exposure time: 4 h
Test atmosphere: vapour

FOXTROT®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	22.03.2021	50000610	Date of first issue: 22.03.2021

Assessment: The substance or mixture has no acute inhalation toxicity

Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg
 Method: OECD Test Guideline 402
 Assessment: The substance or mixture has no acute dermal toxicity
 Remarks: Based on data from similar materials

glycerol:

Acute oral toxicity : LD50 (Rat, female): 11,500 mg/kg

Acute inhalation toxicity : LC0 (Rat, male): 11 mg/l
 Exposure time: 1 h
 Test atmosphere: vapour

Acute dermal toxicity : LD50 (Guinea pig, male and female): 56,750 mg/kg

Solvent naphtha (petroleum), heavy arom.:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
 Method: OECD Test Guideline 401
 Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat, male and female): > 4.688 mg/l
 Exposure time: 4 h
 Test atmosphere: vapour
 Assessment: The substance or mixture has no acute inhalation toxicity
 Remarks: Based on data from similar materials

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg
 Method: OECD Test Guideline 402
 Assessment: The substance or mixture has no acute dermal toxicity
 Remarks: Based on data from similar materials

Alcohols, C9-11, ethoxylated:

Acute oral toxicity : LD50 (Rat): 1,192 mg/kg

Acute inhalation toxicity : Remarks: No data available

fenoxaprop-P-ethyl (ISO):

Acute oral toxicity : LD50 (Rat): 3,150 - 4,000 mg/kg
 Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 1.224 mg/l
 Exposure time: 4 h
 Test atmosphere: dust/mist
 Method: OECD Test Guideline 403
 Assessment: The substance or mixture has no acute inhalation toxicity

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: EPA OPP 81-2
Assessment: The substance or mixture has no acute dermal toxicity

glycerol:

Acute oral toxicity : LD50 (Rat, female): 11,500 mg/kg

Acute inhalation toxicity : LC0 (Rat, male): 11 mg/l
Exposure time: 1 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Guinea pig, male and female): 56,750 mg/kg

Cloquintocet-mexyl:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 - 5,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): > 0.935 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Not classified based on available information.

Product:

Method : OECD Test Guideline 404
Result : No skin irritation
Remarks : slight irritation

Remarks : May cause skin irritation and/or dermatitis.

Components:

fenoxaprop-P-ethyl (ISO):

Method : EPA OPP 81-5
Result : slight irritation

Remarks : May cause skin irritation and/or dermatitis.

Cloquintocet-mexyl:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Alcohols, C9-11, ethoxylated:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
Remarks : Based on data from similar materials

Solvent naphtha (petroleum), heavy arom.:

Species : Rabbit
Result : No skin irritation
Remarks : Based on data from similar materials

glycerol:

Species : Rabbit
Result : slight irritation

Solvent naphtha (petroleum), heavy arom.:

Species : Rabbit
Result : No skin irritation
Remarks : Based on data from similar materials

Alcohols, C9-11, ethoxylated:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
Remarks : Based on data from similar materials

fenoxaprop-P-ethyl (ISO):

Method : EPA OPP 81-5
Result : slight irritation
Remarks : May cause skin irritation and/or dermatitis.

glycerol:

Species : Rabbit
Result : slight irritation

Cloquintocet-mexyl:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Result : No eye irritation
Method : OECD Test Guideline 405
Remarks : Vapours may cause irritation to the eyes, respiratory system

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

and the skin.

Components:

fenoxaprop-P-ethyl (ISO):

Result : slight irritation
Method : EPA OPP 81-4

Remarks : Product dust may be irritating to eyes, skin and respiratory system.

Cloquintocet-mexyl:

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405

Alcohols, C9-11, ethoxylated:

Species : Bovine cornea
Result : Eye irritation
Remarks : Based on data from similar materials

Solvent naphtha (petroleum), heavy arom.:

Species : Rabbit
Result : No eye irritation
Remarks : Based on data from similar materials

glycerol:

Species : Rabbit
Result : slight irritation

Solvent naphtha (petroleum), heavy arom.:

Species : Rabbit
Result : No eye irritation
Remarks : Based on data from similar materials

Alcohols, C9-11, ethoxylated:

Species : Bovine cornea
Result : Eye irritation
Remarks : Based on data from similar materials

fenoxaprop-P-ethyl (ISO):

Result : slight irritation
Method : EPA OPP 81-4

Remarks : Product dust may be irritating to eyes, skin and respiratory system.

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

glycerol:

Species : Rabbit
Result : slight irritation

Cloquintocet-mexyl:

Species : Rabbit
Result : No eye irritation
Method : OECD Test Guideline 405

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Product:

Method : OECD Test Guideline 429
Result : May cause sensitisation by skin contact.

Remarks : Causes sensitisation.

Components:

fenoxaprop-P-ethyl (ISO):

Method : EPA OPP 81-6
Result : Probability or evidence of low to moderate skin sensitisation rate in humans

Cloquintocet-mexyl:

Species : Guinea pig
Method : OECD Test Guideline 406
Result : May cause sensitisation by skin contact.

Alcohols, C9-11, ethoxylated:

Test Type : Maximisation Test
Species : Guinea pig
Result : Does not cause skin sensitisation.
Remarks : Based on data from similar materials

Solvent naphtha (petroleum), heavy arom.:

Test Type : Maximisation Test
Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitisation.
Remarks : Based on data from similar materials

Solvent naphtha (petroleum), heavy arom.:

Test Type : Maximisation Test

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Species : Guinea pig
Method : OECD Test Guideline 406
Result : Does not cause skin sensitisation.
Remarks : Based on data from similar materials

Alcohols, C9-11, ethoxylated:

Test Type : Maximisation Test
Species : Guinea pig
Result : Does not cause skin sensitisation.
Remarks : Based on data from similar materials

fenoxaprop-P-ethyl (ISO):

Method : EPA OPP 81-6
Result : Probability or evidence of low to moderate skin sensitisation rate in humans

Cloquintocet-mexyl:

Species : Guinea pig
Method : OECD Test Guideline 406
Result : May cause sensitisation by skin contact.

Chronic toxicity

Germ cell mutagenicity

Not classified based on available information.

Product:

Germ cell mutagenicity - Assessment : Contains no ingredient listed as a mutagen

Components:

Cloquintocet-mexyl:

Genotoxicity in vitro : Test Type: reverse mutation assay
Method: OECD Test Guideline 471
Result: negative

Test Type: gene mutation test
Test system: Chinese hamster lung cells
Method: OECD Test Guideline 476
Result: negative

Test Type: Chromosome aberration test in vitro
Test system: Chinese hamster ovary cells
Method: OECD Test Guideline 473
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Chinese hamster (male and female)
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative

FOXTROT®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	22.03.2021	50000610	Date of first issue: 22.03.2021

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Alcohols, C9-11, ethoxylated:

Genotoxicity in vitro : Test Type: reverse mutation assay
Method: OECD Test Guideline 471
Result: negative
Remarks: Based on data from similar materials

Test Type: Chromosome aberration test in vitro
Result: negative
Remarks: Based on data from similar materials

Test Type: In vitro mammalian cell gene mutation test
Result: negative
Remarks: Based on data from similar materials

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects

Solvent naphtha (petroleum), heavy arom.:

Genotoxicity in vitro : Test Type: reverse mutation assay
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Cytogenetic assay
Species: Rat
Application Route: Intraperitoneal injection
Result: negative
Remarks: Based on data from similar materials

glycerol:

Genotoxicity in vitro : Test Type: reverse mutation assay
Result: negative

Solvent naphtha (petroleum), heavy arom.:

Genotoxicity in vitro : Test Type: reverse mutation assay
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Cytogenetic assay
Species: Rat
Application Route: Intraperitoneal injection
Result: negative
Remarks: Based on data from similar materials

Alcohols, C9-11, ethoxylated:

Genotoxicity in vitro : Test Type: reverse mutation assay
Method: OECD Test Guideline 471
Result: negative

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Remarks: Based on data from similar materials

Test Type: Chromosome aberration test in vitro

Result: negative

Remarks: Based on data from similar materials

Test Type: In vitro mammalian cell gene mutation test

Result: negative

Remarks: Based on data from similar materials

Germ cell mutagenicity - Assessment : In vitro tests did not show mutagenic effects

glycerol:

Genotoxicity in vitro : Test Type: reverse mutation assay

Result: negative

Cloquintocet-mexyl:

Genotoxicity in vitro : Test Type: reverse mutation assay

Method: OECD Test Guideline 471

Result: negative

Test Type: gene mutation test

Test system: Chinese hamster lung cells

Method: OECD Test Guideline 476

Result: negative

Test Type: Chromosome aberration test in vitro

Test system: Chinese hamster ovary cells

Method: OECD Test Guideline 473

Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test

Species: Chinese hamster (male and female)

Application Route: Oral

Method: OECD Test Guideline 474

Result: negative

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity

Not classified based on available information.

Product:

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

ment

Components:

Cloquintocet-mexyl:

Species : Mouse, male

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Application Route : Oral
Exposure time : 18 month(s)
Dose : 1.1, 11, 111, 583 mg/kg
NOAEL : 111 mg/kg body weight
Result : negative

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

Solvent naphtha (petroleum), heavy arom.:

Species : Mouse
Application Route : Dermal
Exposure time : 104 weeks
Result : negative
Remarks : Based on data from similar materials

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

glycerol:

Species : Rat
Application Route : Oral
Exposure time : 2 years Years
Result : negative

Solvent naphtha (petroleum), heavy arom.:

Species : Mouse
Application Route : Dermal
Exposure time : 104 weeks
Result : negative
Remarks : Based on data from similar materials

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

glycerol:

Species : Rat
Application Route : Oral
Exposure time : 2 years Years
Result : negative

Cloquintocet-mexyl:

Species : Mouse, male
Application Route : Oral
Exposure time : 18 month(s)
Dose : 1.1, 11, 111, 583 mg/kg
NOAEL : 111 mg/kg body weight
Result : negative

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

FOXTROT®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	22.03.2021	50000610	Date of first issue: 22.03.2021

Reproductive toxicity

Not classified based on available information.

Product:

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

Components:**Cloquintocet-mexyl:**

Effects on fertility : General Toxicity F1: NOAEL: 420 mg/kg body weight
Fertility: NOAEL: 830 mg/kg body weight
Method: OECD Test Guideline 416
Result: No effects on fertility and early embryonic development were detected.

Effects on foetal development : Species: Rabbit
Application Route: Oral
Dose: 0, 10, 60, 300 mg/kg bw/d
General Toxicity Maternal: NOAEL: 60 mg/kg body weight
Teratogenicity: NOAEL: 300 mg/kg body weight
Developmental Toxicity: NOAEL: 60 mg/kg body weight
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

Alcohols, C9-11, ethoxylated:

Effects on fertility : Test Type: Two-generation study
Species: Rat, male and female
Application Route: Dermal
Dose: 0, 10, 100, 250 mg/kg bw
General Toxicity - Parent: NOAEL: \geq 250 mg/kg bw/day
Result: negative

Effects on foetal development : Test Type: reproductive and developmental toxicity study
Species: Rat
Application Route: Dermal
Dose: 0, 10, 100, 250 mg/kg bw
General Toxicity Maternal: NOAEL: \geq 250 mg/kg bw/day
Developmental Toxicity: NOAEL: \geq 250 mg/kg bw/day
Result: negative

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

Solvent naphtha (petroleum), heavy arom.:

Effects on fertility : Test Type: Fertility
Species: Rat, male and female
Application Route: Oral
Method: OECD Test Guideline 415

FOXTROT®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	22.03.2021	50000610	Date of first issue: 22.03.2021

Result: negative
Remarks: Based on data from similar materials

Effects on foetal development : Test Type: reproductive and developmental toxicity study
Species: Rat
Application Route: Oral
Method: OECD Test Guideline 414
Result: negative
Remarks: Based on data from similar materials

glycerol:

Effects on fertility : Test Type: Two-generation study
Species: Rat
Application Route: Oral
Result: negative

Effects on foetal development : Test Type: Two-generation study
Species: Rat
Application Route: Oral
Result: negative

Solvent naphtha (petroleum), heavy arom.:

Effects on fertility : Test Type: Fertility
Species: Rat, male and female
Application Route: Oral
Method: OECD Test Guideline 415
Result: negative
Remarks: Based on data from similar materials

Effects on foetal development : Test Type: reproductive and developmental toxicity study
Species: Rat
Application Route: Oral
Method: OECD Test Guideline 414
Result: negative
Remarks: Based on data from similar materials

Alcohols, C9-11, ethoxylated:

Effects on fertility : Test Type: Two-generation study
Species: Rat, male and female
Application Route: Dermal
Dose: 0, 10, 100, 250 mg/kg bw
General Toxicity - Parent: NOAEL: \geq 250 mg/kg bw/day
Result: negative

Effects on foetal development : Test Type: reproductive and developmental toxicity study
Species: Rat
Application Route: Dermal
Dose: 0, 10, 100, 250 mg/kg bw
General Toxicity Maternal: NOAEL: \geq 250 mg/kg bw/day
Developmental Toxicity: NOAEL: \geq 250 mg/kg bw/day
Result: negative

Reproductive toxicity - As- : Weight of evidence does not support classification for repro-

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

assessment ductive toxicity

glycerol:

Effects on fertility : Test Type: Two-generation study
Species: Rat
Application Route: Oral
Result: negative

Effects on foetal develop-
ment : Test Type: Two-generation study
Species: Rat
Application Route: Oral
Result: negative

Cloquintocet-mexyl:

Effects on fertility : General Toxicity F1: NOAEL: 420 mg/kg body weight
Fertility: NOAEL: 830 mg/kg body weight
Method: OECD Test Guideline 416
Result: No effects on fertility and early embryonic develop-
ment were detected.

Effects on foetal develop-
ment : Species: Rabbit
Application Route: Oral
Dose: 0, 10, 60, 300 mg/kg bw/d
General Toxicity Maternal: NOAEL: 60 mg/kg body weight
Teratogenicity: NOAEL: 300 mg/kg body weight
Developmental Toxicity: NOAEL: 60 mg/kg body weight
Method: OECD Test Guideline 414

Reproductive toxicity - As-
sessment : Weight of evidence does not support classification for repro-
ductive toxicity

STOT - single exposure

Not classified based on available information.

Product:

Remarks : No significant adverse effects were reported

Components:

Cloquintocet-mexyl:

Remarks : No significant adverse effects were reported

Alcohols, C9-11, ethoxylated:

Assessment : The substance or mixture is not classified as specific target
organ toxicant, single exposure.

Solvent naphtha (petroleum), heavy arom.:

Assessment : May cause drowsiness or dizziness.

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Solvent naphtha (petroleum), heavy arom.:

Assessment : May cause drowsiness or dizziness.

Alcohols, C9-11, ethoxylated:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

Cloquintocet-mexyl:

Remarks : No significant adverse effects were reported

STOT - repeated exposure

Not classified based on available information.

Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Components:

fenoxaprop-P-ethyl (ISO):

Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

fenoxaprop-P-ethyl (ISO):

Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Repeated dose toxicity

Components:

fenoxaprop-P-ethyl (ISO):

Species : Rat
NOAEL : 0.7 mg/kg
Application Route : Ingestion
Exposure time : 90 d
Symptoms : Increased kidneys weight, increased liver weight

Cloquintocet-mexyl:

Species : Rat, male
NOAEL : 3.77 mg/kg
Application Route : Oral
Exposure time : 2 y
Dose : 0.37, 3.8, 38, 75 mg/kg
Method : OECD Test Guideline 451

Species : Rat, male
NOAEL : 9.66 mg/kg
Application Route : Oral
Exposure time : 90 d

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Dose : 2.0, 9.7, 64, 384 mg/kg
Species : Rat, male and female
NOAEL : 1,000 mg/kg
Application Route : Dermal
Exposure time : 28 d
Dose : 0, 50, 200 and 1000 mg/kg
Method : OECD Test Guideline 410

Alcohols, C9-11, ethoxylated:

Species : Rat, male and female
NOAEL : >=500 mg/kg bw/day
Application Route : Ingestion
Exposure time : 90 d
Dose : 0, 15, 50, 150, 500 mg/kg bw/d
Remarks : Based on data from similar materials

Solvent naphtha (petroleum), heavy arom.:

Species : Rat, male and female
NOAEL : 300 mg/kg
Application Route : Oral - gavage
Exposure time : 90 day
Remarks : Based on data from similar materials

Species : Rat, male and female
NOAEL : 0.8 - 0.9 mg/l
Application Route : inhalation (vapour)
Exposure time : 12 months
Symptoms : Reduced body weight

glycerol:

Species : Rat
LOAEL : 1 mg/kg
Application Route : Inhalation
Exposure time : 14 d
Dose : 0, 1, 1.93, 3.91 mg/L
Symptoms : respiratory tract irritation, Fatality

Species : Rat
NOAEL : 0.165 mg/l
LOAEL : 0.662 mg/l
Application Route : Inhalation
Exposure time : 13 w
Dose : 0, 0.033, 0.165, 0.662 mg/L
Symptoms : respiratory tract irritation

Solvent naphtha (petroleum), heavy arom.:

Species : Rat, male and female
NOAEL : 300 mg/kg
Application Route : Oral - gavage
Exposure time : 90 day
Remarks : Based on data from similar materials

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Species : Rat, male and female
NOAEL : 0.8 - 0.9 mg/l
Application Route : inhalation (vapour)
Exposure time : 12 months
Symptoms : Reduced body weight

Alcohols, C9-11, ethoxylated:

Species : Rat, male and female
NOAEL : >=500 mg/kg bw/day
Application Route : Ingestion
Exposure time : 90 d
Dose : 0, 15, 50, 150, 500 mg/kg bw/d
Remarks : Based on data from similar materials

fenoxaprop-P-ethyl (ISO):

Species : Rat
NOAEL : 0.7 mg/kg
Application Route : Ingestion
Exposure time : 90 d
Symptoms : Increased kidneys weight, increased liver weight

glycerol:

Species : Rat
LOAEL : 1 mg/kg
Application Route : Inhalation
Exposure time : 14 d
Dose : 0, 1, 1.93, 3.91 mg/L
Symptoms : respiratory tract irritation, Fatality

Species : Rat
NOAEL : 0.165 mg/l
LOAEL : 0.662 mg/l
Application Route : Inhalation
Exposure time : 13 w
Dose : 0, 0.033, 0.165, 0.662 mg/L
Symptoms : respiratory tract irritation

Cloquintocet-mexyl:

Species : Rat, male
NOAEL : 3.77 mg/kg
Application Route : Oral
Exposure time : 2 y
Dose : 0.37, 3.8, 38, 75 mg/kg
Method : OECD Test Guideline 451

Species : Rat, male
NOAEL : 9.66 mg/kg
Application Route : Oral
Exposure time : 90 d
Dose : 2.0, 9.7, 64, 384 mg/kg

SAFETY DATA SHEET



FOXTROT®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	22.03.2021	50000610	Date of first issue: 22.03.2021

Species	:	Rat, male and female
NOAEL	:	1,000 mg/kg
Application Route	:	Dermal
Exposure time	:	28 d
Dose	:	0, 50, 200 and 1000 mg/kg
Method	:	OECD Test Guideline 410

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration toxicity classification

Components:

Cloquintocet-mexyl:

No aspiration toxicity classification

Solvent naphtha (petroleum), heavy arom.:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Solvent naphtha (petroleum), heavy arom.:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Cloquintocet-mexyl:

No aspiration toxicity classification

Further information

Product:

Remarks : Irritation and allergic reactions.

Remarks : No data available

Components:

fenoxaprop-P-ethyl (ISO):

Remarks : No data available

fenoxaprop-P-ethyl (ISO):

Remarks : No data available

FOXTROT®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	22.03.2021	50000610	Date of first issue: 22.03.2021

Section 12: Ecological information**Ecotoxicity****Product:**

- | | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 3.83 mg/l
Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | LC50 (Daphnia magna (Water flea)): 3.1 mg/l
Exposure time: 48 h |
| Toxicity to algae/aquatic plants | : | EC50 (Desmodesmus subspicatus (green algae)): 1.85 mg/l
Exposure time: 72 h |
| | | NOEC (Lemna gibba (duckweed)): 0.98 mg/l
Exposure time: 7 d |
| | | LC50 (Lemna gibba (duckweed)): 4.3 mg/l
Exposure time: 7 d |
| Toxicity to soil dwelling organisms | : | LC50 (Eisenia fetida (earthworms)): 356.6 mg/kg
Exposure time: 14 d |
| Toxicity to terrestrial organisms | : | LD50 (Apis mellifera (bees)): 599 µg/bee
Exposure time: 72 h
Remarks: Contact |
| | | LD50 (Apis mellifera (bees)): 356 µg/bee
Exposure time: 48 h
Remarks: Oral |
| | | LD50 (Colinus virginianus (Bobwhite quail)): > 2,250 mg/kg |

Components:**fenoxaprop-P-ethyl (ISO):**

- | | | |
|---|---|--|
| Toxicity to fish | : | LC50 (Oncorhynchus mykiss (rainbow trout)): 0.31 mg/l
Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 0.97 mg/l
Exposure time: 48 h |
| | | NOEC (Daphnia magna (Water flea)): 0.16 mg/l
Exposure time: 21 d |
| Toxicity to algae/aquatic plants | : | IC50 (Desmodesmus subspicatus (green algae)): 0.51 mg/l
Exposure time: 72 h |
| M-Factor (Acute aquatic toxicity) | : | 1 |
| Toxicity to soil dwelling organisms | : | LC50 (Eisenia fetida (earthworms)): 24.8 mg/kg
Exposure time: 14 d |

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Toxicity to terrestrial organisms : LD50 (Colinus virginianus (Bobwhite quail)): > 2,000 mg/kg
LD50 (Anas platyrhynchos (Mallard duck)): > 2,000 mg/kg
LD50 (Apis mellifera (bees)): >100
Exposure time: 48 h

Cloquintocet-mexyl:

Toxicity to fish : LC50 (Ictalurus punctatus (channel catfish)): 14 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 0.63 mg/l
Exposure time: 96 h
Test Type: static test

NOEC (Desmodesmus subspicatus (green algae)): 0.09 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 32 mg/l
End point: reproduction
Exposure time: 21 d
Method: OECD Test Guideline 211

Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): 1,000 mg/kg
Exposure time: 14 d
Method: OECD Test Guideline 207

Toxicity to terrestrial organisms : NOEC (Colinus virginianus (Bobwhite quail)): 500 mg/kg
NOEC (Anas platyrhynchos (Mallard duck)): 500 mg/kg
LD50 (Apis mellifera (bees)): >100 ug/bee
Exposure time: 48 d
LD50 (Apis mellifera (bees)): >100 ug/bee
Exposure time: 48 d

Alcohols, C9-11, ethoxylated:

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

Solvent naphtha (petroleum), heavy arom.:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 2 - 5 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): 1 - 3 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EL50 (Daphnia magna (Water flea)): 0.89 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211

Toxicity to microorganisms : LL50 (Tetrahymena pyriformis): 677.9 mg/l
Exposure time: 72 h
Test Type: Growth inhibition

glycerol:

Toxicity to fish : LC50 (Fish): 885 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,955 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Scenedesmus capricornutum (fresh water algae)): 2,900 mg/l
Exposure time: 192 h

Toxicity to microorganisms : EC10 (Pseudomonas putida): 10,000 mg/l
Exposure time: 16 h

Solvent naphtha (petroleum), heavy arom.:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 2 - 5 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Toxicity to algae/aquatic plants : EL50 (Pseudokirchneriella subcapitata (green algae)): 1 - 3 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EL50 (Daphnia magna (Water flea)): 0.89 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211

Toxicity to microorganisms : LL50 (Tetrahymena pyriformis): 677.9 mg/l
Exposure time: 72 h
Test Type: Growth inhibition

Alcohols, C9-11, ethoxylated:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

fenoxaprop-P-ethyl (ISO):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.31 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 0.97 mg/l
Exposure time: 48 h

NOEC (Daphnia magna (Water flea)): 0.16 mg/l
Exposure time: 21 d

Toxicity to algae/aquatic plants : IC50 (Desmodesmus subspicatus (green algae)): 0.51 mg/l
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 1

Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): 24.8 mg/kg
Exposure time: 14 d

Toxicity to terrestrial organisms : LD50 (Colinus virginianus (Bobwhite quail)): > 2,000 mg/kg

LD50 (Anas platyrhynchos (Mallard duck)): > 2,000 mg/kg

LD50 (Apis mellifera (bees)): >100
Exposure time: 48 h

glycerol:

Toxicity to fish : LC50 (Fish): 885 mg/l
Exposure time: 96 h

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,955 mg/l
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Scenedesmus capricornutum (fresh water algae)): 2,900 mg/l
Exposure time: 192 h
- Toxicity to microorganisms : EC10 (Pseudomonas putida): 10,000 mg/l
Exposure time: 16 h

Cloquintocet-mexyl:

- Toxicity to fish : LC50 (Ictalurus punctatus (channel catfish)): 14 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 0.63 mg/l
Exposure time: 96 h
Test Type: static test
- NOEC (Desmodesmus subspicatus (green algae)): 0.09 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
- M-Factor (Acute aquatic toxicity) : 1
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 32 mg/l
End point: reproduction
Exposure time: 21 d
Method: OECD Test Guideline 211
- Toxicity to microorganisms : EC50 (activated sludge): > 1,000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
- Toxicity to soil dwelling organisms : LC50 (Eisenia fetida (earthworms)): 1,000 mg/kg
Exposure time: 14 d
Method: OECD Test Guideline 207
- Toxicity to terrestrial organisms : NOEC (Colinus virginianus (Bobwhite quail)): 500 mg/kg
- NOEC (Anas platyrhynchos (Mallard duck)): 500 mg/kg
- LD50 (Apis mellifera (bees)): >100 ug/bee
Exposure time: 48 d
- LD50 (Apis mellifera (bees)): >100 ug/bee
Exposure time: 48 d

FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Persistence and degradability**Product:**

Biodegradability : Result: Not readily biodegradable.
Remarks: Estimation based on data obtained on active ingredient.

Components:**fenoxaprop-P-ethyl (ISO):**

Biodegradability : Result: Not readily biodegradable.

Cloquintocet-mexyl:

Biodegradability : Result: Not readily biodegradable.

Alcohols, C9-11, ethoxylated:

Biodegradability : Inoculum: activated sludge, non-adapted
Result: Readily biodegradable.
Biodegradation: 100 %
Exposure time: 28 d
Remarks: Based on data from similar materials

Solvent naphtha (petroleum), heavy arom.:

Biodegradability : Result: Inherently biodegradable.
Biodegradation: 58.6 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
Remarks: Based on data from similar materials

glycerol:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 94 %
Exposure time: 24 h

Solvent naphtha (petroleum), heavy arom.:

Biodegradability : Result: Inherently biodegradable.
Biodegradation: 58.6 %
Exposure time: 28 d
Method: OECD Test Guideline 301F
Remarks: Based on data from similar materials

Alcohols, C9-11, ethoxylated:

Biodegradability : Inoculum: activated sludge, non-adapted
Result: Readily biodegradable.
Biodegradation: 100 %
Exposure time: 28 d
Remarks: Based on data from similar materials

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

fenoxaprop-P-ethyl (ISO):

Biodegradability : Result: Not readily biodegradable.

glycerol:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 94 %
Exposure time: 24 h

Cloquintocet-mexyl:

Biodegradability : Result: Not readily biodegradable.

Bioaccumulative potential

Product:

Bioaccumulation : Bioconcentration factor (BCF): 1,200 - 3,200
Method: QSAR
Remarks: Information refers to the main component.
See section 9 for octanol-water partition coefficient.

Components:

fenoxaprop-P-ethyl (ISO):

Partition coefficient: n-octanol/water : log Pow: 4.28

Cloquintocet-mexyl:

Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): 621

Partition coefficient: n-octanol/water : log Pow: 5.2 (25 °C)

Alcohols, C9-11, ethoxylated:

Bioaccumulation : Species: Pimephales promelas (fathead minnow)
Bioconcentration factor (BCF): 237
Remarks: Based on data from similar materials

Partition coefficient: n-octanol/water : log Pow: 3.74 (25 °C)
Method: QSAR

Solvent naphtha (petroleum), heavy arom.:

Partition coefficient: n-octanol/water : log Pow: 2.4 - 6.5

Solvent naphtha (petroleum), heavy arom.:

Partition coefficient: n-octanol/water : log Pow: 2.4 - 6.5

Alcohols, C9-11, ethoxylated:

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Bioaccumulation : Species: Pimephales promelas (fathead minnow)
Bioconcentration factor (BCF): 237
Remarks: Based on data from similar materials

Partition coefficient: n-octanol/water : log Pow: 3.74 (25 °C)
Method: QSAR

fenoxaprop-P-ethyl (ISO):

Partition coefficient: n-octanol/water : log Pow: 4.28

Cloquintocet-mexyl:

Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): 621

Partition coefficient: n-octanol/water : log Pow: 5.2 (25 °C)

Mobility in soil

Components:

Cloquintocet-mexyl:

Distribution among environmental compartments : Remarks: Low mobility in soil

Cloquintocet-mexyl:

Distribution among environmental compartments : Remarks: Low mobility in soil

Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

Components:

fenoxaprop-P-ethyl (ISO):

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

fenoxaprop-P-ethyl (ISO):

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

Section 13: Disposal considerations

Disposal methods

- Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
-

Section 14: Transport information

International Regulations

UNRTDG

- UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Fenoxaprop-P-ethyl, Aromatic hydrocarbons)
Class : 9
Subsidiary risk : ENVIRONM.
Packing group : III
Labels : 9 (ENVIRONM.)

IATA-DGR

- UN/ID No. : UN 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(Fenoxaprop-P-ethyl, Aromatic hydrocarbons)
Class : 9
Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964
Environmentally hazardous : yes

IMDG-Code

- UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Fenoxaprop-P-ethyl, Aromatic hydrocarbons)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

SAFETY DATA SHEET



FOXTROT®

Version 1.0 Revision Date: 22.03.2021 SDS Number: 50000610 Date of last issue: -
Date of first issue: 22.03.2021

NZS 5433

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Fenoxaprop-P-ethyl, Aromatic hydrocarbons)
Class : 9
Packing group : III
Labels : 9
Hazchem Code : 3Z

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR100112

The components of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA inventory.
AICS : Not in compliance with the inventory
DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.
Cloquintocet-mexyl
fenoxaprop-P-ethyl (ISO)
ENCS : Not in compliance with the inventory
ISHL : Not in compliance with the inventory
KECI : Not in compliance with the inventory
PICCS : Not in compliance with the inventory
IECSC : Not in compliance with the inventory

Section 16: Other information

Date format : dd.mm.yyyy

SAFETY DATA SHEET



FOXTROT®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	22.03.2021	50000610	Date of first issue: 22.03.2021

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / TWA : 8-hour, time-weighted average
NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average

AICS - Australian Inventory of Chemical Substances; AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Disclaimer

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. You can contact FMC Corporation to ensure that this document is the most current available from FMC Corporation. No warranty of fitness for any particular purpose, warranty of merchantability or any other warranty, expressed or implied, is made concerning the information provided herein. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. The user is responsible for determining whether the product is fit for a particular purpose and suitable for the user's conditions and methods of use. Since the conditions and methods of use are beyond the control of FMC Corporation, FMC Corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

NZ / 6N