

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending
Regulation (EC) No 1907/2006



FOXTROT ULTRA

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	26.05.2021	50001275	Date of first issue: 26.05.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Other means of identification

Product code 50001275

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub- stance/Mixture	Herbicide
Recommended restrictions on use	Use as recommended by the label.

1.3 Manufacturer or supplier's details

Manufacturer Cheminova AS
Thyboronvej 78
Harboore 7673

Supplier Address

Contact person SDS-Info@fmc.com (E-Mail General Information)

1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:
France: +32 14584545 (B.I.G.)

Medical emergency:
France: +33 (0) 1 45 42 59 59

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H332: Harmful if inhaled.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.

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Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements :

- H304 May be fatal if swallowed and enters airways.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

- P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P391 Collect spillage.

Hazardous components which must be listed on the label:

Solvent naphtha (petroleum), heavy arom.
fenoxaprop-P-ethyl (ISO)
Oxirane, methyl-, polymer with oxirane, monobutyl ether
Cloquintocet-mexyl

Additional Labelling

EUH208 Contains fenoxaprop-P-ethyl (ISO), Cloquintocet-mexyl. May produce an aller-

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gic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Solvent naphtha (petroleum), heavy arom.	64742-94-5 265-198-5 649-424-00-3	Carc. 2; H351 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 30 - < 50
γ-butyrolactone	96-48-0 202-509-5	Acute Tox. 4; H302 Eye Dam. 1; H318 STOT SE 3; H336	>= 10 - < 20
Alcohols, C9-11, ethoxylated	68439-46-3	Acute Tox. 4; H302 Eye Irrit. 2; H319	>= 10 - < 20
fenoxaprop-P-ethyl (ISO)	71283-80-2 607-707-00-9	Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 10 - < 20
Oxirane, methyl-, polymer with oxirane, monobutyl ether	9038-95-3	Acute Tox. 3; H331	>= 1 - < 10
calcium dodecylbenzenesulpho- nate	26264-06-2 247-557-8	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 1 - < 2,5
Cloquintocet-mexyl	99607-70-2 01-0000012013-89- 0000	Acute Tox. 4; H332 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute	>= 1 - < 2,5

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		aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	
2-ethylhexan-1-ol	104-76-7 203-234-3	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Symptoms of poisoning may appear several hours later.
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 skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
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 induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : May be fatal if swallowed and enters airways.
Causes serious eye irritation.
Harmful if inhaled.
May cause drowsiness or dizziness.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Dry chemical, CO₂, water spray or regular foam.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.

6.2 Environmental precautions

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.

6.3 Methods and material for containment and cleaning up

Methods for 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.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- 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.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Advice on common storage : Do not store near acids.
- Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

- Specific use(s) : The product is an approved pesticide and can only be used for the purposes for which it is approved, according to the conditions contained in the label approved by the competent authorities.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2-ethylhexan-1-ol	104-76-7	TWA	1 ppm 5,4 mg/m ³	2017/164/EU
Further information	Indicative			

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Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
γ-butyrolactone	Workers	Inhalation	Long-term systemic effects	130 mg/m ³
	Workers	Dermal	Long-term systemic effects	19 mg/kg bw/day
	Workers	Inhalation	Acute systemic effects	958 mg/m ³
Alcohols, C9-11, ethoxylated	Workers	Inhalation	Long-term systemic effects	294 mg/m ³
	Workers	Dermal	Long-term systemic effects	2080 mg/kg bw/day
calcium dodecylbenzenesulphonate	Workers	Inhalation	Long-term systemic effects	52 mg/m ³
	Workers	Dermal	Long-term systemic effects	57,2 mg/kg
Cloquintocet-mexyl	Workers	Inhalation	Long-term systemic effects	0,303 mg/m ³
	Workers	Dermal	Long-term systemic effects	3,33 mg/kg
2-ethylhexan-1-ol	Workers	Inhalation	Long-term systemic effects	12,8 mg/m ³
	Workers	Dermal	Long-term systemic effects	23 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
γ-butyrolactone	Fresh water	0,056 mg/l
	Marine water	0,0056 mg/l
	Fresh water sediment	0,240 mg/kg dry weight (d.w.)
	Marine sediment	0,020 mg/kg dry weight (d.w.)
	Soil	0,0147 mg/kg dry weight (d.w.)
	Intermittent use (freshwater)	0,560 mg/l
	Sewage treatment plant	452 mg/l
Alcohols, C9-11, ethoxylated	Fresh water	0,104 mg/l
	Marine water	0,104 mg/l
	Fresh water sediment	13,7 mg/kg dry weight (d.w.)
	Marine sediment	13,7 mg/kg dry weight (d.w.)
	Soil	1 mg/kg dry weight (d.w.)
	Intermittent use (freshwater)	0,014 mg/l
	Sewage treatment plant	1,4 mg/l
calcium dodecylbenzenesulphonate	Fresh water	0,28 mg/l
	Marine water	0,458 mg/l
	Fresh water sediment	27,5 mg/kg

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	Marine sediment	2,75 mg/kg
	Soil	25 mg/kg
	Oral	20 mg/kg
Cloquintocet-mexyl	Fresh water	0,0024 mg/l
	Fresh water sediment	0,203 mg/kg
	Soil	> 0,34 mg/kg
	Oral	1,11 mg/kg
2-ethylhexan-1-ol	Fresh water	0,017 mg/l
	Intermittent use/release	0,17 mg/l
	Marine water	0,0017 mg/l
	Sewage treatment plant	10 mg/kg dry weight (d.w.)
	Fresh water sediment	0,284 mg/kg dry weight (d.w.)

8.2 Exposure controls

Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

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

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

Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : yellow

Odour : aromatic, hydrocarbon-like

pH : 4,76 (24 °C)
(1% solution in water)

Melting point/freezing point : < 0 °C

Flash point : 98 °C
Method: closed cup

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Relative density	:	1,043 (20 °C)
Solubility(ies)	:	
Water solubility	:	dispersible
Viscosity	:	
Viscosity, kinematic	:	15,1 mm ² /s (20 °C)
		11,1 mm ² /s (40 °C)

9.2 Other information

		No data available
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SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : Heat

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

Carbon monoxide
Carbon dioxide (CO₂)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Harmful if inhaled.

Product:

Acute oral toxicity : LD₅₀ Oral (Rat): 3.129 mg/kg
Method: OPPTS 870.1100
GLP: yes

Acute inhalation toxicity : LC₅₀ (Rat): > 1,08 mg/l

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Exposure time: 4 h
Test atmosphere: dust/mist
Method: US EPA Test Guideline OPPTS 870.1300
GLP: yes

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg
Method: OPPTS 870.1200
GLP: yes

Components:

Solvent naphtha (petroleum), heavy arom.:

Acute oral toxicity : LD50 (Rat, male and female): > 5000 milligram per kilogram
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): > 2000 milligram per kilogram
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Based on data from similar materials

γ-butyrolactone:

Acute oral toxicity : LD50 (Rat, male and female): 1.582 mg/kg

Acute inhalation toxicity : LC0 (Rat, male and female): > 5,1 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Remarks: no mortality

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

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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

Oxirane, methyl-, polymer with oxirane, monobutyl ether:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): 1 - < 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

calcium dodecylbenzenesulphonate:

Acute oral toxicity : LD50 (Rat, male and female): 1300 milligram per kilogram
Remarks: Based on data from similar materials

Acute inhalation toxicity : Remarks: see user defined free text

Acute dermal toxicity : LD50 (Rat, male and female): > 2000 milligram per kilogram
Method: OECD Test Guideline 402
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Based on data from similar materials

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
Assessment: The component/mixture is moderately toxic after short term inhalation.

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

2-ethylhexan-1-ol:

Acute oral toxicity : LD50 (Rat): 2047 milligram per kilogram

Acute inhalation toxicity : LC50 (Rat): 4,3 mg/l
Exposure time: 4 h

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Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 3000 milligram per kilogram
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 : OPPTS 870.2500
Result : Mild skin irritation
GLP : yes

Remarks : May cause skin irritation and/or dermatitis.

Components:

Solvent naphtha (petroleum), heavy arom.:

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

γ-butyrolactone:

Species : Rabbit
Result : No skin irritation

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.

Oxirane, methyl-, polymer with oxirane, monobutyl ether:

Result : No skin irritation

calcium dodecylbenzenesulphonate:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Skin irritation

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Cloquintocet-mexyl:

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

2-ethylhexan-1-ol:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	Skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Method	:	US EPA Test Guideline OPPTS 870.2400
Result	:	Moderate eye irritation
GLP	:	yes

Remarks	:	May cause irreversible eye damage.
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Components:

Solvent naphtha (petroleum), heavy arom.:

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

γ-butyrolactone:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Irreversible effects on the eye

Alcohols, C9-11, ethoxylated:

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

fenoxaprop-P-ethyl (ISO):

Method	:	EPA OPP 81-4
Result	:	slight irritation

Remarks	:	Product dust may be irritating to eyes, skin and respiratory system.
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Oxirane, methyl-, polymer with oxirane, monobutyl ether:

Result	:	No eye irritation
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calcium dodecylbenzenesulphonate:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Irreversible effects on the eye
Remarks	:	Based on data from similar materials

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Irreversible effects on the eye

Cloquintocet-mexyl:

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

2-ethylhexan-1-ol:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	Irritation to eyes, reversing within 21 days

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Product:

Method	:	US EPA Test Guideline OPPTS 870.2600
Result	:	Not a skin sensitizer.
GLP	:	yes

Components:

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

γ-butyrolactone:

Test Type	:	Local lymph node assay (LLNA)
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	Does not cause skin sensitisation.

Alcohols, C9-11, ethoxylated:

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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

Oxirane, methyl-, polymer with oxirane, monobutyl ether:

Remarks	:	No data available
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calcium dodecylbenzenesulphonate:

Test Type	:	Maximisation Test
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Not a skin sensitizer.
Remarks	:	Based on data from similar materials

Cloquintocet-mexyl:

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

Germ cell mutagenicity

Not classified based on available information.

Components:

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

γ-butyrolactone:

Genotoxicity in vitro	:	Test Type: gene mutation test Result: negative Test Type: sister chromatid exchange assay Result: positive Test Type: sister chromatid exchange assay
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Result: negative

Genotoxicity in vivo : Test Type: gene mutation test
Species: *Drosophila melanogaster* (vinegar fly) (male)
Application Route: Oral
Result: negative

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

Oxirane, methyl-, polymer with oxirane, monobutyl ether:

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

calcium dodecylbenzenesulphonate:

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

Genotoxicity in vivo : Test Type: chromosome aberration assay
Species: Rat (male and female)
Application Route: Oral
Exposure time: 90 d
Result: negative
Remarks: Based on data from similar materials

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

Cloquintocet-mexyl:

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

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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.

2-ethylhexan-1-ol:

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

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse
Application Route: Intraperitoneal injection
Result: negative

Carcinogenicity

Suspected of causing cancer.

Components:

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

γ-butyrolactone:

Species : Rat, male and female
Application Route : Oral
Exposure time : 103 weeks
Dose : 0, 225, 450 mg/kg bw
NOAEL : 225 mg/kg bw/day
LOAEL : 450 mg/kg bw/day

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Result : negative

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

calcium dodecylbenzenesulphonate:

Species : Rat, male and female
Application Route : Oral
Exposure time : 720 d
NOAEL : 250 mg/kg body weight
Result : negative
Remarks : Based on data from similar materials

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

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

2-ethylhexan-1-ol:

Species : Rat
Application Route : Oral
Exposure time : 24 month(s)
Result : negative

Reproductive toxicity

Not classified based on available information.

Components:

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

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Result: negative
Remarks: Based on data from similar materials

γ-butyrolactone:

Effects on fertility : Test Type: reproductive and developmental toxicity study
Species: Rat, male and female
Application Route: Oral
Dose: 200, 400, 800 mg/kg/day
General Toxicity - Parent: NOEL: 800 mg/kg bw/day
General Toxicity F1: NOAEL: 800 mg/kg bw/day
Method: OECD Test Guideline 422
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
Dose: 0, 10, 50, 125, 500 mg/kg/day
Duration of Single Treatment: 21 d
General Toxicity Maternal: NOAEL: 500 mg/kg bw/day
Embryo-foetal toxicity: NOAEL: 500 mg/kg bw/day
Result: negative

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

Oxirane, methyl-, polymer with oxirane, monobutyl ether:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

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calcium dodecylbenzenesulphonate:

Effects on fertility	: Test Type: Fertility/early embryonic development Species: Rat, male and female Application Route: Ingestion General Toxicity - Parent: NOAEL: 400 mg/kg body weight Method: OECD Test Guideline 422 Result: negative
Effects on foetal development	: Test Type: reproductive and developmental toxicity study Species: Rat Application Route: Ingestion General Toxicity Maternal: NOAEL: 300 mg/kg body weight Developmental Toxicity: NOAEL: 600 mg/kg body weight Method: OECD Test Guideline 422 Result: negative
Reproductive toxicity - Assessment	: Weight of evidence does not support classification for reproductive toxicity

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

2-ethylhexan-1-ol:

Effects on foetal development	: Test Type: Embryo-foetal development Species: Mouse Application Route: Oral Method: OECD Test Guideline 414 Result: negative
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STOT - single exposure

May cause drowsiness or dizziness.

Components:

Solvent naphtha (petroleum), heavy arom.:

Assessment	: May cause drowsiness or dizziness.
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γ-butyrolactone:

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

2-ethylhexan-1-ol:

Assessment : May cause respiratory irritation.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Components:

fenoxaprop-P-ethyl (ISO):

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

Repeated dose toxicity

Components:

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

γ-butyrolactone:

Species : Rat, male
NOAEL : 225 mg/kg bw/day
LOAEL : 450 mg/kg bw/day
Application Route : Oral - gavage
Exposure time : 91 d
Dose : 0,56,112,225,450,900mg/kgbw

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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

Oxirane, methyl-, polymer with oxirane, monobutyl ether:

Remarks	: No data available
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calcium dodecylbenzenesulphonate:

Species	: Rat, male and female
NOAEL	: 85 mg/kg
LOAEL	: 145 mg/kg
Application Route	: Oral
Exposure time	: 9 months
Remarks	: Based on data from similar materials

Species	: Rat, male and female
NOAEL	: 100 mg/kg
LOAEL	: 200 mg/kg
Application Route	: Oral
Exposure time	: 28 d
Method	: OECD Test Guideline 422
Remarks	: Based on data from similar materials

Species	: Rat, male
LOAEL	: 286 mg/kg
Application Route	: Skin contact
Exposure time	: 15 d
Remarks	: Based on data from similar materials

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

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Application Route	: Oral
Exposure time	: 90 d
Dose	: 2.0, 9.7, 64, 384 mg/kg
Species	: Rat, male and female
NOAEL	: 1.000 mg/kg
Application Route	: Skin contact
Exposure time	: 28 d
Dose	: 0, 50, 200 and 1000 mg/kg
Method	: OECD Test Guideline 410

2-ethylhexan-1-ol:

Species	: Rat
	: 250 mg/kg
Application Route	: Oral
Exposure time	: 13 weeks
Method	: OECD Test Guideline 408

Aspiration toxicity

May be fatal if swallowed and enters airways.

Components:

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	: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.
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Components:

fenoxaprop-P-ethyl (ISO):

Remarks	: No data available
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SECTION 12: Ecological information

12.1 Toxicity

Product:

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Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 0,826 mg/l
Exposure time: 72 h

Components:

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 microorganisms : LL50 (Tetrahymena pyriformis): 677,9 mg/l
Exposure time: 72 h
Test Type: Growth inhibition

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EL50: 0,89 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

γ-butyrolactone:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): 56 mg/l
Exposure time: 96 h
Method: EPA-660/3-75-009

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 500 mg/l
Exposure time: 48 h
Method: Regulation (EC) No. 440/2008, Annex, C.2

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 1.000 mg/l
Exposure time: 72 h
Test Type: static test

NOEC (Desmodesmus subspicatus (green algae)): 7,81 mg/l
Exposure time: 72 h
Test Type: static test

Toxicity to microorganisms : IC50 (Tetrahymena pyriformis): 4.518 mg/l
Exposure time: 40 h

Toxicity to terrestrial organisms : LD50: 100 mg/kg
Species: Birds

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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

M-Factor (Chronic aquatic toxicity) : 1

Toxicity to soil dwelling organisms : LC50: 24,8 mg/kg
Exposure time: 14 d
Species: Eisenia fetida (earthworms)

Toxicity to terrestrial organisms : LD50: > 2.000 mg/kg
Species: Colinus virginianus (Bobwhite quail)

LD50: > 2.000 mg/kg
Species: Anas platyrhynchos (Mallard duck)

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

Oxirane, methyl-, polymer with oxirane, monobutyl ether:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l
Exposure time: 96 h

calcium dodecylbenzenesulphonate:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 2,8 mg/l
Exposure time: 48 h

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- Method: OECD Test Guideline 203
Remarks: No toxicity at the limit of solubility
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2,5 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: No toxicity at the limit of solubility
- Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (green algae)): 7,9 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials
No toxicity at the limit of solubility
- EC50 (Pseudokirchneriella subcapitata (green algae)): 65,4 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials
No toxicity at the limit of solubility
- Toxicity to microorganisms : EC50 (activated sludge): 500 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
- Toxicity to fish (Chronic toxicity) : NOEC: 0,23 mg/l
Exposure time: 30 d
Species: Fish
Method: QSAR
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,253 mg/l
Exposure time: 30 d
Species: Daphnia (water flea)
Method: QSAR
- Toxicity to soil dwelling organisms : LC50: 1.000 mg/kg
Exposure time: 14 d
Species: Eisenia fetida (earthworms)
Method: OECD Test Guideline 207
- Toxicity to terrestrial organisms : LD50: 1.356 mg/kg
Exposure time: 14 d
Species: Colinus virginianus (Bobwhite quail)
Method: OECD Test Guideline 223
- 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 : LC50 (Daphnia magna (Water flea)): > 100 mg/l

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aquatic invertebrates	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 microorganisms	: EC50 (activated sludge): > 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 32 mg/l End point: reproduction Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	: 1
Toxicity to soil dwelling organisms	: LC50: 1.000 mg/kg Exposure time: 14 d Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 207
Toxicity to terrestrial organisms	: NOEC: 500 mg/kg Species: Colinus virginianus (Bobwhite quail) NOEC: 500 mg/kg Species: Anas platyrhynchos (Mallard duck) LD50: >100 ug/bee Exposure time: 48 d Species: Apis mellifera (bees) LD50: >100 ug/bee Exposure time: 48 d Species: Apis mellifera (bees)

2-ethylhexan-1-ol:

Toxicity to fish	: LC50 (Leuciscus idus (Golden orfe)): 17,1 - 28,2 mg/l Exposure time: 96 h
Toxicity to daphnia and other	: EC50 (Daphnia magna (Water flea)): 39 mg/l

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aquatic invertebrates	Exposure time: 48 h
Toxicity to algae/aquatic plants	: EC10 (Desmodesmus subspicatus (green algae)): 3,2 mg/l Exposure time: 72 h EC50 (Desmodesmus subspicatus (green algae)): 11,5 mg/l Exposure time: 72 h
Toxicity to microorganisms	: EC50 (Anabaena flos-aquae (cyanobacterium)): 16,6 mg/l Exposure time: 72 h

12.2 Persistence and degradability

Components:

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
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γ-butyrolactone:

Biodegradability	: Inoculum: activated sludge, non-adapted Result: Readily biodegradable. Biodegradation: 95 % Exposure time: 14 d Method: OECD Test Guideline 301C
------------------	--

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
------------------	--

fenoxaprop-P-ethyl (ISO):

Biodegradability	: Result: Not readily biodegradable.
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Oxirane, methyl-, polymer with oxirane, monobutyl ether:

Biodegradability	: Result: Readily biodegradable.
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calcium dodecylbenzenesulphonate:

Biodegradability	: Result: Readily biodegradable. Method: OECD Test Guideline 301E
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Cloquintocet-mexyl:

Biodegradability	: Result: Not readily biodegradable.
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2-ethylhexan-1-ol:

Biodegradability : Result: Readily biodegradable.

12.3 Bioaccumulative potential

Components:

Solvent naphtha (petroleum), heavy arom.:

Partition coefficient: n-octanol/water : log Pow: 2,4 - 6,5

γ-butyrolactone:

Bioaccumulation : Bioconcentration factor (BCF): 3,16
Method: QSAR

Partition coefficient: n-octanol/water : log Pow: -0,566 (25 °C)
pH: > 6 - 8

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

fenoxaprop-P-ethyl (ISO):

Partition coefficient: n-octanol/water : log Pow: 4,28

calcium dodecylbenzenesulphonate:

Bioaccumulation : Species: Fish
Bioconcentration factor (BCF): 70,79
Method: QSAR

Partition coefficient: n-octanol/water : log Pow: 4,77 (25 °C)

Cloquintocet-mexyl:

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

Partition coefficient: n-octanol/water : log Pow: 5,2 (25 °C)

2-ethylhexan-1-ol:

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Partition coefficient: n-
octanol/water : log Pow: 2,9 (25 °C)

12.4 Mobility in soil

Components:

Cloquintocet-mexyl:

Distribution among environ- : Remarks: Low mobility in soil
mental compartments

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered
to be either persistent, bioaccumulative and toxic (PBT), or
very persistent and very bioaccumulative (vPvB) at levels of
0.1% or higher..

12.6 Other adverse effects

Product:

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

Components:

fenoxaprop-P-ethyl (ISO):

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemi- cal 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.

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SECTION 14: Transport information

14.1 UN number

ADN	:	UN 3082
ADR	:	UN 3082
RID	:	UN 3082
IMDG	:	UN 3082
IATA	:	UN 3082

14.2 UN proper shipping name

ADN	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fenoxaprop-P-ethyl, ALKYL(C3-C6)BENZENES)
ADR	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fenoxaprop-P-ethyl, ALKYL(C3-C6)BENZENES)
RID	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fenoxaprop-P-ethyl, ALKYL(C3-C6)BENZENES)
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fenoxaprop-P-ethyl, ALKYL(C3-C6)BENZENES)
IATA	:	Environmentally hazardous substance, liquid, n.o.s. (Fenoxaprop-P-ethyl, ALKYL(C3-C6)BENZENES)

14.3 Transport hazard class(es)

ADN	:	9
ADR	:	9
RID	:	9
IMDG	:	9
IATA	:	9

14.4 Packing group

ADN		
Packing group	:	III
Classification Code	:	M6
Hazard Identification Number	:	90
Labels	:	9
ADR		
Packing group	:	III
Classification Code	:	M6
Hazard Identification Number	:	90
Labels	:	9
Tunnel restriction code	:	(-)

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RID

Packing group	:	III
Classification Code	:	M6
Hazard Identification Number	:	90
Labels	:	9

IMDG

Packing group	:	III
Labels	:	9
EmS Code	:	F-A, S-F

IATA (Cargo)

Packing instruction (cargo aircraft)	:	964
Packing instruction (LQ)	:	Y964
Packing group	:	III
Labels	:	Miscellaneous

IATA (Passenger)

Packing instruction (passenger aircraft)	:	964
Packing instruction (LQ)	:	Y964
Packing group	:	III
Labels	:	Corrosive

14.5 Environmental hazards

ADN

Environmentally hazardous	:	yes
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ADR

Environmentally hazardous	:	yes
---------------------------	---	-----

RID

Environmentally hazardous	:	yes
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IMDG

Marine pollutant	:	yes
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14.6 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.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	Not applicable
REACH - List of substances subject to authorisation	:	Not applicable

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(Annex XIV)

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : fenoxaprop-P-ethyl (ISO)

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

E1

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E1 ENVIRONMENTAL
HAZARDS

34 Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams), (d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)

Occupational Illnesses (R-461-3, France) : 84

Installations classified for the protection of the environment (Environment Code R511-9) : 4510, 4734, 4510

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

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

TCSI	: On the inventory, or in compliance with the inventory
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. (RS)-1-METHYLHEXYL (5-CHLOROQUINLIN-8-YLOXY)ACETATE 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
NZIoC	: Not in compliance with the inventory

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Full text of H-Statements

H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H331	: Toxic if inhaled.
H332	: Harmful if inhaled.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H351	: Suspected of causing cancer.
H373	: May cause damage to organs through prolonged or repeated exposure.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

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Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Carc.	: Carcinogenicity
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure
2017/164/EU	: Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values
2017/164/EU / TWA	: Limit Value - eight hours

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Acute Tox. 4 H332

Classification procedure:

Based on product data or assessment

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Eye Irrit. 2	H319	Based on product data or assessment	
Carc. 2	H351	Calculation method	
STOT SE 3	H336	Calculation method	
STOT RE 2	H373	Calculation method	
Asp. Tox. 1	H304	Calculation method	
Aquatic Acute 1	H400	Based on product data or assessment	
Aquatic Chronic 2	H411	Calculation method	

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