

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

---

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

#### 1.1 Product identifier

**Product name** FENOVA SUPER®

##### Other means of identification

**Product code** 50000610

**Unique Formula Identifier (UFI)** : FDMY-S2GH-EN44-QGCJ

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

**Use of the Substance/Mixture** : Herbicide

**Recommended restrictions on use** : Use as recommended by the label.  
For professional and industrial use only

#### 1.3 Details of the supplier of the safety data sheet

**Supplier Address** FMC Chemicals Hellas MEPE  
Syngrou Avenue 348  
17674 Kallithea  
Greece

Telephone: +30 211 1982768  
Telefax: +30 211 1138614  
E-mail address: SDS-Info@fmc.com .

#### 1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:  
1 703 / 741-5970 (CHEMTREC - International)

Medical emergency:  
Cyprus: 1401

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

Skin irritation, Category 2	H315: Causes skin irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
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 : Warning

Hazard statements :

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements : P102 Keep out of reach of children.

#### Prevention:

P261 Avoid breathing vapours.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves.

#### Response:

P302 + P352 IF ON SKIN: Wash with plenty of water and soap.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.

#### Storage:

P405 Store locked up.

#### Disposal:

P501 Dispose of contents/container in accordance with local regulation.

#### Hazardous components which must be listed on the label:

fenoxaprop-P-ethyl (ISO)  
Cloquintocet-mexyl  
1,2-benzisothiazol-3(2H)-one

#### Additional Labelling

EUH066	Repeated exposure may cause skin dryness or cracking.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0      Revision Date: 28.05.2024      SDS Number: 50000610      Date of last issue: -  
Date of first issue: 28.05.2024

For special phrases (SP) and safety intervals, consult the label.

### 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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Mixture

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified	64742-94-5 265-198-5 649-424-00-3	Asp. Tox. 1; H304 EUH066	>= 30 - < 50
Alcohols, C9-11, ethoxylated	68439-46-3	Acute Tox. 4; H302 Eye Irrit. 2; H319  Acute toxicity estimate  Acute oral toxicity: 1.192 mg/kg	>= 1 - < 10
fenoxaprop-P-ethyl (ISO)	71283-80-2 607-707-00-9	Skin Sens. 1; H317 STOT RE 2; H373 (Kidney) Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 2,5 - < 10

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0      Revision Date: 28.05.2024      SDS Number: 50000610      Date of last issue: -  
Date of first issue: 28.05.2024

Cloquintocet-mexyl	99607-70-2 01-0000012013-89-0000	Acute Tox. 4; H302 Skin Sens. 1B; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1  Acute toxicity estimate  Acute oral toxicity: 1.098 mg/kg	$\geq 2,5 - < 10$
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411  M-Factor (Acute aquatic toxicity): 10  specific concentration limit Skin Sens. 1; H317 $\geq 0,05 \%$  Acute toxicity estimate  Acute oral toxicity: 490 mg/kg	$\geq 0,0025 - < 0,025$

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.  
Do not leave the victim unattended.
- Protection of first-aiders : First Aid responders should pay attention to self-protection

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

and use the recommended protective clothing  
Avoid inhalation, ingestion and contact with skin and eyes.  
If potential for exposure exists refer to Section 8 for specific personal protective equipment.

- |                         |   |
|-------------------------|---|
| If inhaled              | : Remove to fresh air.<br>If unconscious, place in recovery position and seek medical advice.<br>If experiencing any discomfort, immediately remove from exposure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambulance. |
| In case of skin contact | : If on clothes, remove clothes.<br>If on skin, rinse well with water.<br>Wash off with soap and plenty of water.<br>Get medical attention immediately if irritation develops and persists.   |
| In case of eye contact  | : Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.   |
| If swallowed            | : Do not induce vomiting without medical advice.<br>Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital.   |

### 4.2 Most important symptoms and effects, both acute and delayed

- |          |   |
|----------|---|
| Symptoms | : Primarily irritation.   |
| Risks    | : The product contains petroleum distillates, which may pose an aspiration pneumonia hazard.<br><br>May cause an allergic skin reaction.<br>Repeated exposure may cause skin dryness or cracking. |

### 4.3 Indication of any immediate medical attention and special treatment needed

- |           |   |
|-----------|---|
| Treatment | : Treat symptomatically.<br>Immediate medical attention is required in case of ingestion. |
|-----------|---|

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- |                              |  |
|------------------------------|--|
| Suitable extinguishing media | : Dry chemical, CO <sub>2</sub> , water spray or regular foam. |
|------------------------------|--|

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

---

Unsuitable extinguishing media : Do not spread spilled material with high-pressure water streams.

### 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 : Fire may produce irritating, corrosive and/or toxic gases.  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen chloride  
Chlorine compounds

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Firefighters should wear protective clothing and self-contained breathing apparatus.

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 : Evacuate personnel to safe areas.  
Use personal protective equipment.  
If it can be safely done, stop the leak.  
Do not touch or walk through the spilled material.  
Never return spills in original containers for re-use.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.  
Only qualified personnel equipped with suitable protective equipment may intervene.

### 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

### 6.4 Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- |   |   |  |
|---|---|--|
| Advice on safe handling                         | : | Avoid formation of aerosol.<br>Do not breathe vapours/dust.<br>Avoid exposure - obtain special instructions before use.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>Dispose of rinse water in accordance with local and national regulations.<br>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. |
| 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.<br>Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing and gloves, including the inside, before re-use.   |

### 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. Electrical installations / working materials must comply with the technological safety standards.  |
| Further information on storage conditions     | : | Protect against strong heat from sunshine or other source, e.g. fire. Store in closed, labelled containers. The storage room should be constructed of incombustible material, closed, dry, ventilated and with impermeable floor, without access of unauthorised persons or children. The room should only be used for storage of chemicals. Food, drink, feed and seed should not be present. A hand wash station should be available. |
| Recommended storage temperature               | : | 5 - 30 °C   |
| Further information on storage stability      | : | No decomposition if stored and applied as directed.   |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0      Revision Date: 28.05.2024      SDS Number: 50000610      Date of last issue: -  
Date of first issue: 28.05.2024

### 7.3 Specific end use(s)

Specific use(s) : Registered pesticide to be used in accordance with a label approved by country-specific regulatory authorities.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

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

Substance name	End Use	Exposure routes	Potential health effects	Value
Cloquintocet-mexyl	Workers	Inhalation	Long-term systemic effects	0,303 mg/m3
	Workers	Dermal	Long-term systemic effects	3,33 mg/kg bw/day
	Consumers	Inhalation	Long-term local effects	0,075 mg/m3
	Consumers	Dermal	Long-term systemic effects	1,67 mg/kg bw/day
Alcohols, C9-11, ethoxylated	Consumers	Oral	Long-term systemic effects	0,043 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	294 mg/m3
	Workers	Dermal	Long-term systemic effects	2080 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	87 mg/m3
1,2-benzisothiazol-3(2H)-one	Consumers	Dermal	Long-term systemic effects	1250 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	25 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	6,81 mg/m3
	Workers	Dermal	Long-term systemic effects	0,966 mg/kg
	Consumers	Inhalation	Long-term systemic effects	1,2 mg/m3
	Consumers	Dermal	Long-term systemic effects	0,345 mg/kg

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

Substance name	Environmental Compartment	Value
Cloquintocet-mexyl	Fresh water	0,002 mg/l
	Fresh water sediment	0,934 mg/kg dry weight (d.w.)
	Soil	0,312 mg/kg dry weight (d.w.)
	Marine water	0 mg/l



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0      Revision Date: 28.05.2024      SDS Number: 50000610      Date of last issue: -  
Date of first issue: 28.05.2024

	Sewage treatment plant	100 mg/kg
	Marine sediment	0,093 mg/kg dry weight (d.w.)
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
1,2-benzisothiazol-3(2H)-one	Fresh water	0,00403 mg/l
	Marine water	0,000403 mg/l
	Sewage treatment plant	1,03 mg/l
	Fresh water sediment	0,0499 mg/l
	Marine sediment	0,00499 mg/l

### 8.2 Exposure controls

#### Personal protective equipment

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

Hand protection  
Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

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 : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Protective measures : Plan first aid action before beginning work with this product.  
Always have on hand a first-aid kit, together with proper instructions.  
Wear suitable protective equipment.  
When using do not eat, drink or smoke.

In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

---

Physical state	:	liquid
Colour	:	white
Odour	:	Aromatic hydrocarbon
Melting point/freezing point	:	< 0 °C
Boiling point/boiling range	:	ca. 100 °C
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	> 100 °C Method: Pensky-Martens closed cup
Decomposition temperature	:	not determined
pH	:	6,3 (25 °C) Concentration: 1 %
Viscosity		
Viscosity, dynamic	:	140 - 2.200 mPa.s (20 °C)
Viscosity, kinematic	:	136 - 2136 mm <sup>2</sup> /s (20 °C)
Solubility(ies)		
Water solubility	:	emulsifiable
Partition coefficient: n-octanol/water	:	log Pow: 4,28 Fenoxaprop-P-ethyl
Vapour pressure	:	Not available for this mixture.
Density	:	1,03 g/cm <sup>3</sup>

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

Relative vapour density : Not available for this mixture.

Particle characteristics  
Particle size : Not applicable

Particle Size Distribution : Not applicable

Shape : Not applicable

### 9.2 Other information

Explosives : Not explosive  
Method: Regulation (EC) No. 440/2008, Annex, A.14

Oxidizing properties : Non-oxidizing  
Method: Regulation (EC) No. 440/2008, Annex, A.21

Flammability (liquids) : may be ignitable

Self-ignition : > 400 °C

Evaporation rate : Not available for this mixture.

## 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, flames and sparks.  
Protect from frost, heat and sunlight.  
Heating of the product will produce harmful and irritant vapours.

### 10.5 Incompatible materials

Materials to avoid : Avoid strong acids, bases, and oxidizers

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

### 10.6 Hazardous decomposition products

Stable under recommended storage conditions.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Product:

Acute oral toxicity	: LD50 (Rat, female): > 2.000 mg/kg Method: OECD Test Guideline 425 Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	: LC50 (Rat): > 4,96 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, male and female): > 2.000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute dermal toxicity

#### Components:

##### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

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): > 4,688 mg/l Exposure time: 4 h Test atmosphere: vapour Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rabbit): > 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

---

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

- |                           |  |
|---------------------------|--|
| Acute oral toxicity       | : LD50 (Rat): 3.150 - 4.000 mg/kg<br>Method: OECD Test Guideline 401   |
| Acute inhalation toxicity | : LC50 (Rat): > 1,224 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Method: OECD Test Guideline 403<br>Assessment: The substance or mixture has no acute inhalation toxicity |
| Acute dermal toxicity     | : LD50 (Rat): > 2.000 mg/kg<br>Method: EPA OPP 81-2<br>Assessment: The substance or mixture has no acute dermal toxicity   |

### **Cloquintocet-mexyl:**

- |                           |  |
|---------------------------|--|
| Acute oral toxicity       | : LD50 (Rat): 1.098 mg/kg<br>Method: OECD Test Guideline 425   |
| Acute inhalation toxicity | : LC50 (Rat): > 5,05 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Method: OECD Test Guideline 403 |
| Acute dermal toxicity     | : LD50 Dermal (Rat): > 2.000 mg/kg<br>Method: OECD Test Guideline 402  |

### **1,2-benzisothiazol-3(2H)-one:**

- |                       |  |
|-----------------------|--|
| Acute oral toxicity   | : LD50 (Rat, male and female): 490 mg/kg<br>Method: OECD Test Guideline 401  |
| Acute dermal toxicity | : LD50 (Rat, male and female): > 2.000 mg/kg<br>Method: OECD Test Guideline 402<br>Assessment: The substance or mixture has no acute dermal toxicity |

### **Skin corrosion/irritation**

Repeated exposure may cause skin dryness or cracking.

#### **Product:**

- |            |  |
|------------|--|
| Assessment | : No skin irritation   |
| Method     | : OECD Test Guideline 404  |
| Remarks    | : May cause mild irritation.<br>Minimal effects that do not meet the threshold for classification. |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

---

### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Species	:	Rabbit
Assessment	:	Repeated exposure may cause skin dryness or cracking.
Result	:	No skin irritation
Remarks	:	Minimal effects that do not meet the threshold for classification. 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):**

Assessment	:	No skin irritation
Method	:	EPA OPP 81-5
Remarks	:	Minimal effects that do not meet the threshold for classification.

#### **Cloquintocet-mexyl:**

Species	:	Rabbit
Assessment	:	No skin irritation
Method	:	OECD Test Guideline 404
Remarks	:	Minimal effects that do not meet the threshold for classification.

#### **1,2-benzisothiazol-3(2H)-one:**

Species	:	Rabbit
Exposure time	:	72 h
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

#### **Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

### Product:

Species	:	Rabbit
Method	:	OECD Test Guideline 405
Result	:	No eye irritation
Remarks	:	May cause mild irritation. Minimal effects that do not meet the threshold for classification.

### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

Species	:	Rabbit
Assessment	:	No eye irritation
Remarks	:	Minimal effects that do not meet the threshold for classification. 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):

Assessment	:	No eye irritation
Method	:	EPA OPP 81-4
Remarks	:	Minimal effects that do not meet the threshold for classification.

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

### Cloquintocet-mexyl:

Species	:	Rabbit
Assessment	:	No eye irritation
Method	:	OECD Test Guideline 405
Remarks	:	Minimal effects that do not meet the threshold for classification.

### 1,2-benzisothiazol-3(2H)-one:

Species	:	Bovine cornea
Method	:	OECD Test Guideline 437
Result	:	No eye irritation

Species	:	Rabbit
Method	:	EPA OPP 81-4
Result	:	Irreversible effects on the eye

### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Product:

Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	May cause sensitisation by skin contact.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

---

### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Test Type	:	Maximisation Test
Species	:	Guinea pig
Result	:	Not a skin sensitizer.
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	:	May cause sensitisation by skin contact.

#### **Cloquintocet-mexyl:**

Species	:	Guinea pig
Method	:	OECD Test Guideline 429
Result	:	The product is a skin sensitizer, sub-category 1B.

#### **1,2-benzisothiazol-3(2H)-one:**

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

Species	:	Guinea pig
Method	:	FIFRA 81.06
Result	:	May cause sensitisation by skin contact.

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

### Product:

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

### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

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



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

---

Genotoxicity in vivo : Test Type: Bone marrow chromosome aberration  
Species: Rat  
Application Route: inhalation (vapour)  
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

### 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.

### 1,2-benzisothiazol-3(2H)-one:

Genotoxicity in vitro : Test Type: gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

Method: OECD Test Guideline 476  
Result: negative

Test Type: Ames test  
Method: OECD Test Guideline 471  
Result: negative

Test Type: Chromosome aberration test in vitro  
Method: OECD Test Guideline 473  
Result: positive

Genotoxicity in vivo : Test Type: unscheduled DNA synthesis assay  
Species: Rat (male)  
Cell type: Liver cells  
Application Route: Ingestion  
Exposure time: 4 h  
Method: OECD Test Guideline 486  
Result: negative

Test Type: Micronucleus test  
Species: Mouse  
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

Based on available data, the classification criteria are not met.

#### Product:

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

#### Components:

##### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Species	: Rat, male and female
Application Route	: inhalation (vapour)
Exposure time	: 12 month(s)
NOAEC	: 1,8 mg/l
Result	: negative
Remarks	: Based on data from similar materials

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

##### **Cloquintocet-mexyl:**

Species	: Mouse, male
Application Route	: Oral

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

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

### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### Product:

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

#### Components:

##### **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
------------------------------------	--

##### **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 Result: negative
-------------------------------	---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

---

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

### **1,2-benzisothiazol-3(2H)-one:**

Effects on fertility : Species: Rat, male  
Application Route: Ingestion  
General Toxicity - Parent: NOAEL: 18,5 mg/kg body weight  
General Toxicity F1: NOAEL: 48 mg/kg body weight  
Fertility: NOAEL: 112 mg/kg bw/day  
Symptoms: No effects on reproduction parameters  
Method: OPPTS 870.3800  
Result: negative

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

### **STOT - single exposure**

Based on available data, the classification criteria are not met.

#### **Product:**

Remarks : No significant adverse effects were reported

#### **Components:**

##### **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**

Based on available data, the classification criteria are not met.

#### **Components:**

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

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

##### **1,2-benzisothiazol-3(2H)-one:**

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

### Repeated dose toxicity

#### Components:

##### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Species	: Rat, male and female
NOAEC	: 0,9 - 1,8 mg/l
Application Route	: inhalation (vapour)
Exposure time	: 12 Months

##### **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

##### **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 and female
NOAEL	: 9,66 - 10,2 mg/kg
Application Route	: Oral
Exposure time	: 90 d
Dose	: 2.0, 9.7, 64, 384 mg/kg
Target Organs	: Bladder

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

##### **1,2-benzisothiazol-3(2H)-one:**

Species	: Rat, male and female
NOAEL	: 15 mg/kg

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

Application Route	:	Ingestion
Exposure time	:	28 d
Method	:	OECD Test Guideline 407
Symptoms	:	Irritation
Species	:	Rat, male and female
NOAEL	:	69 mg/kg
Application Route	:	Ingestion
Exposure time	:	90 d
Symptoms	:	Irritation, Reduced body weight

### Aspiration toxicity

Based on available data, the classification criteria are not met.

#### Product:

No aspiration toxicity classification

#### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

May be fatal if swallowed and enters airways.

#### **Cloquintocet-mexyl:**

No aspiration toxicity classification

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment	:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
------------	---	---

### Experience with human exposure

#### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Skin contact	:	Symptoms: Repeated exposure may cause skin dryness or cracking.
--------------	---	---

### Further information

#### Product:

Remarks	:	Irritation and allergic reactions.
---------	---	------------------------------------

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Remarks : Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

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

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### 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: 356,6 mg/kg Exposure time: 14 d Species: Eisenia fetida (earthworms)
Toxicity to terrestrial organisms	: LD50: 599 µg/bee Exposure time: 72 h End point: Acute contact toxicity Species: Apis mellifera (bees)  LD50: 356 µg/bee Exposure time: 48 h End point: Acute oral toxicity Species: Apis mellifera (bees)  LD50: > 2.250 mg/kg

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

Species: *Colinus virginianus* (Bobwhite quail)

### Components:

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Toxicity to fish	:	LL50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)): 2 - 5 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EL50 ( <i>Daphnia magna</i> (Water flea)): 1,4 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EL50 ( <i>Pseudokirchneriella subcapitata</i> (green algae)): 1 - 3 mg/l Exposure time: 24 h Method: OECD Test Guideline 201
Toxicity to microorganisms	:	LL50 ( <i>Tetrahymena pyriformis</i> ): 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: <i>Daphnia magna</i> (Water flea) Method: OECD Test Guideline 211

#### **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 ( <i>Oncorhynchus mykiss</i> (rainbow trout)): 0,31 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 ( <i>Daphnia magna</i> (Water flea)): > 0,97 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	IC50 ( <i>Desmodesmus subspicatus</i> (green algae)): 0,51 mg/l Exposure time: 72 h  EC50 ( <i>Lemna gibba</i> (duckweed)): 0,039 mg/l Exposure time: 14 d
M-Factor (Acute aquatic toxicity)	:	1



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

---

Toxicity to fish (Chronic toxicity) : NOEC: 0,076 mg/l  
Exposure time: 21 d  
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,16 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)

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 µg/bee  
Exposure time: 48 h  
Species: Apis mellifera (bees)

### Cloquintocet-mexyl:

Toxicity to fish : LC50 (Salmo gairdneri): > 76 mg/l  
Exposure time: 96 h

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 microorganisms : EC50 (activated sludge): > 1.000 mg/l  
Exposure time: 3 h

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

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 : LD50: > 2.000 mg/kg  
Species: Colinus virginianus (Bobwhite quail)

NOEC: 500 mg/kg  
Species: Colinus virginianus (Bobwhite quail)

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

NOEC: 500 mg/kg  
Species: Anas platyrhynchos (Mallard duck)

LD50: >100 ug/bee  
Exposure time: 48 d  
End point: Acute oral toxicity  
Species: Apis mellifera (bees)

LD50: >100 ug/bee  
Exposure time: 48 d  
End point: Acute contact toxicity  
Species: Apis mellifera (bees)

### 1,2-benzisothiazol-3(2H)-one:

Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): 16,7 mg/l  
Exposure time: 96 h  
Test Type: static test

LC50 (Oncorhynchus mykiss (rainbow trout)): 2,15 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2,9 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 0,070 mg/l Exposure time: 72 h Method: OECD Test Guideline 201  NOEC (Pseudokirchneriella subcapitata (green algae)): 0,04 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	:	10
Toxicity to microorganisms	:	EC50 (activated sludge): 24 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209  EC50 (activated sludge): 12,8 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209

### 12.2 Persistence and degradability

#### Product:

Biodegradability	:	Remarks: Product contains minor amounts of not readily biodegradable components, which may not be degradable in waste water treatment plants.
------------------	---	---

#### Components:

##### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Biodegradability	:	Result: Readily 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
------------------	---	--

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

Biodegradability	:	Result: Not readily biodegradable.
------------------	---	------------------------------------

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

### **Cloquintocet-mexyl:**

Biodegradability : Result: Not readily biodegradable.

### **1,2-benzisothiazol-3(2H)-one:**

Biodegradability : Result: rapidly biodegradable  
Method: OECD Test Guideline 301C

## 12.3 Bioaccumulative potential

### **Product:**

Bioaccumulation : Bioconcentration factor (BCF): 1.200 - 3.200  
Method: QSAR  
Remarks: Information refers to the main component.  
  
Remarks: No data is available on the product itself.

### **Components:**

#### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Bioaccumulation : Remarks: The product/substance has a potential to bioaccumulate.  
  
Partition coefficient: n-octanol/water : log Pow: 3,72  
Method: QSAR

#### **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

### **Cloquintocet-mexyl:**

Bioaccumulation : Species: Fish  
Bioconcentration factor (BCF): 1.000  
Remarks: Bioaccumulation is unlikely.  
  
Partition coefficient: n-octanol/water : log Pow: 5,03 (25 °C)

### **1,2-benzisothiazol-3(2H)-one:**

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)  
Exposure time: 56 d

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

Bioconcentration factor (BCF): 6,62  
Method: OECD Test Guideline 305  
Remarks: Substance is not persistent, bioaccumulative, and toxic (PBT).

Partition coefficient: n-octanol/water : log Pow: 0,7 (20 °C)  
pH: 7

log Pow: 0,99 (20 °C)  
pH: 5

### 12.4 Mobility in soil

#### Product:

Distribution among environmental compartments : Remarks: No data is available on the product itself.

#### Components:

##### **Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified:**

Distribution among environmental compartments : Remarks: Expected to partition to sediment and wastewater solids. Moderately volatile.

##### **Cloquintocet-mexyl:**

Distribution among environmental compartments : Remarks: immobile

##### **1,2-benzisothiazol-3(2H)-one:**

Distribution among environmental compartments : Koc: 9,33 ml/g, log Koc: 0,97  
Method: OECD Test Guideline 121  
Remarks: Highly mobile in soils

### 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 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

### 12.7 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.

## 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 chemical or used container. Send to a licensed waste management company.
Contaminated packaging	: Empty remaining contents. Do not re-use empty containers. Packaging that is not properly emptied must be disposed of as the unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: Transport information

### 14.1 UN number or ID 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, Cloquintocet-mexyl)
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fenoxaprop-P-ethyl, Cloquintocet-mexyl)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

<b>RID</b>	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fenoxaprop-P-ethyl, Cloquintocet-mexyl)
<b>IMDG</b>	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fenoxaprop-P-ethyl, Cloquintocet-mexyl)
<b>IATA</b>	:	Environmentally hazardous substance, liquid, n.o.s. (Fenoxaprop-P-ethyl, Cloquintocet-mexyl)

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
<b>ADN</b>	:	9
<b>ADR</b>	:	9
<b>RID</b>	:	9
<b>IMDG</b>	:	9
<b>IATA</b>	:	9

### 14.4 Packing group

<b>ADN</b>	
Packing group	: III
Classification Code	: M6
Hazard Identification Number	: 90
Labels	: 9
<b>ADR</b>	
Packing group	: III
Classification Code	: M6
Hazard Identification Number	: 90
Labels	: 9
Tunnel restriction code	: (-)
<b>RID</b>	
Packing group	: III
Classification Code	: M6
Hazard Identification Number	: 90
Labels	: 9
<b>IMDG</b>	
Packing group	: III
Labels	: 9
EmS Code	: F-A, S-F
<b>IATA (Cargo)</b>	
Packing instruction (cargo aircraft)	: 964
Packing instruction (LQ)	: Y964
Packing group	: III
Labels	: Miscellaneous
<b>IATA (Passenger)</b>	
Packing instruction (passen-	: 964

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

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

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : yes

#### ADR

Environmentally hazardous : yes

#### RID

Environmentally hazardous : yes

#### IMDG

Marine pollutant : yes

#### IATA (Passenger)

Environmentally hazardous : yes

#### IATA (Cargo)

Environmentally hazardous : yes

### 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 Maritime transport in bulk according to IMO instruments

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 - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 75, 3

If you intend to use this product as tattoo ink, please contact your vendor.

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

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



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version 1.0	Revision Date: 28.05.2024	SDS Number: 50000610	Date of last issue: - Date of first issue: 28.05.2024
----------------	------------------------------	-------------------------	--

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

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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. E2 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)

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

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

TCSI	:	
TSCA	:	Product contains substance(s) not listed on TSCA inventory.
AIIC	:	Not in compliance with the 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

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	:	
TECI	:	Not in compliance with the inventory

### 15.2 Chemical safety assessment

A chemical safety assessment is not required for this product (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.
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.
EUH066	:	Repeated exposure may cause skin dryness or cracking.

### 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
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

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

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; TECI - Thailand Existing Chemicals 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:

Skin Irrit. 2	H315
Skin Sens. 1	H317
Aquatic Chronic 2	H411

#### Classification procedure:

Based on product data or assessment
Based on product data or assessment
Based on product data or assessment

### 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.

### Prepared by

FMC Corporation

FMC and the FMC Logo are trademarks of FMC Corporation and/or an affiliate.

© 2021-2024 FMC Corporation. All Rights Reserved.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



## FENOVA SUPER®

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	28.05.2024	50000610	Date of first issue: 28.05.2024

---

CY / 6N