

# SAFETY DATA SHEET

According to Commission Regulation (EU) 2020/878 of amending  
Regulation (EC) No 1907/2006



## TRINEXAPAC-ETHYL 120 G/L ME

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	02.03.2022	50000784	Date of first issue: 02.03.2022

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

#### 1.1 Product identifier

**Product name** TRINEXAPAC-ETHYL 120 G/L ME

#### Other means of identification

**Product code** 50000784

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

<b>Use of the Sub- stance/Mixture</b>	Plant growth regulator
<b>Recommended restrictions on use</b>	Use as recommended by the label.

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

**Supplier Address** FMC Agricultural Solutions A/S  
Thyborønvej 78  
DK-7673  
Denmark

Telephone: +45 9690 9690  
Telefax: +45 9690 9691  
E-mail address: SDS-Info@fmc.com (E-Mail General Information)

#### 1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:  
Denmark: 45-69918573 (CHEMTREC)

Medical emergency:  
Denmark: +45 82 12 12 12

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
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Long-term (chronic) aquatic hazard, Cat-	H412: Harmful to aquatic life with long lasting ef-
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Category 3

Effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**

P260 Do not breathe mist or vapours.  
P273 Avoid release to the environment.

#### **Response:**

P314 Get medical advice/ attention if you feel unwell.

#### **Disposal:**

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

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

trinexapac-ethyl (ISO)

#### Additional Labelling

EUH208 Contains trinexapac-ethyl (ISO). May produce an allergic reaction.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

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.

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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

##### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
trinexapac-ethyl (ISO)	95266-40-3  607-752-00-4	Aquatic Chronic 1; H410 STOT RE 2; H373 (Gastrointestinal tract) Skin Sens. 1B; H317  M-Factor (Chronic aquatic toxicity): 1	>= 10 - < 20
Substances with a workplace exposure limit :			
(2-methoxymethylethoxy)propanol	34590-94-8 252-104-2		>= 50 - < 70

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.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.  
Wash off with soap and plenty of water.  
Get medical attention if irritation develops and persists.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.

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If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.  
Do not induce vomiting without medical advice.

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

Risks : 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, CO<sub>2</sub>, 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 : Carbon oxides

### 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.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

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### 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 : Contain spillage, and then collect with non-combustible ab-  
sorbent material, (e.g. sand, earth, diatomaceous earth, ver-  
miculite) and place in container for disposal according to local  
/ national regulations (see section 13).  
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 ap-  
plication 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 : Do not spray on a naked flame or any incandescent material.  
fire and explosion Keep away from open flames, hot surfaces and sources of  
ignition.

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 : No smoking. Keep in a well-ventilated place. Containers which  
areas and containers are opened must be carefully resealed and kept upright to  
prevent leakage. Observe label precautions. Electrical installa-  
tions / working materials must comply with the technological  
safety standards.

Further information on stor- : No decomposition if stored and applied as directed.  
age stability

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### 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

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
(2-methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm 308 mg/m <sup>3</sup>	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		GV	50 ppm 309 mg/m <sup>3</sup>	DK OEL
Further information	Means that the substance can be absorbed through the skin., Guiding list of organic solvents., The substance has an EC-limit value			

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

Substance name	End Use	Exposure routes	Potential health effects	Value
(2-methoxymethylethoxy)propanol	Workers	Inhalation	Long-term systemic effects	308 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	283 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
(2-methoxymethylethoxy)propanol	Fresh water	19 mg/l
	Marine water	1,9 mg/l
	Fresh water sediment	70,2 mg/kg dry weight (d.w.)
	Marine sediment	7,02 mg/kg dry weight (d.w.)
	Soil	2,74 mg/kg dry weight (d.w.)
	Intermittent use (freshwater)	190 mg/l
	Sewage treatment plant	4168 mg/l
trinexapac-ethyl (ISO)	Water	0,0082 mg/l

### 8.2 Exposure controls

#### Personal protective equipment

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

Hand protection

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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	:	No personal respiratory protective equipment normally required. 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.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	yellowish-brown
Odour	:	ester-like
Odour Threshold	:	not determined
Melting point/freezing point	:	not determined
Boiling point/boiling range	:	not determined
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	81 °C Method: Seta closed cup
Decomposition temperature	:	not determined
pH	:	not determined
Viscosity		
Viscosity, dynamic	:	20,2 mPa.s (20 °C) 14,07 mPa.s (40 °C)
Solubility(ies)		

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Solubility in other solvents : not determined

Partition coefficient: n-octanol/water : Not available for this mixture.

Vapour pressure : not determined

Relative density : 1,016 (20 °C)

Relative vapour density : not determined

### 9.2 Other information

Explosives : Not explosive

Oxidizing properties : Non-oxidizing

Self-ignition : 215 °C

Miscibility with water : dispersible

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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.

Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Strong acids and strong bases  
Strong oxidizing agents

### 10.6 Hazardous decomposition products

Stable under recommended storage conditions.



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### SECTION 11: Toxicological information

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

##### Acute toxicity

Not classified based on available information.

##### Product:

- |                           |   |   |
|---------------------------|---|---|
| Acute oral toxicity       | : | LD50 (Rat): > 2.000 mg/kg<br>Method: OECD Test Guideline 425  |
| Acute inhalation toxicity | : | LC50 (Rat): > 4,86 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<br>Remarks: Highest attainable concentration.<br>No adverse effect has been observed in acute toxicity tests.<br>Not classified |
| Acute dermal toxicity     | : | LD50 (Rabbit): > 4.000 mg/kg<br>Method: OECD Test Guideline 402   |

##### Components:

##### **trinexapac-ethyl (ISO):**

- |                           |   |  |
|---------------------------|---|--|
| Acute oral toxicity       | : | LD50 (Rat, female): 4.210 mg/kg<br>Method: OECD Test Guideline 401<br><br>LD50 (Rat, male): 4.610 mg/kg<br>Method: OECD Test Guideline 401 |
| Acute inhalation toxicity | : | LC50 (Rat): > 5,3 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Method: OECD Test Guideline 403                              |
| Acute dermal toxicity     | : | LD50 (Rat): > 4.000 mg/kg<br>Method: OECD Test Guideline 402   |

##### **(2-methoxymethylethoxy)propanol:**

- |                           |   |   |
|---------------------------|---|---|
| Acute oral toxicity       | : | LD50 Oral (Rat, male and female): > 5.000 mg/kg<br>Method: OECD Test Guideline 401<br>Remarks: no mortality     |
| Acute inhalation toxicity | : | LC0 (Rat, male and female): > 275 ppm<br>Exposure time: 7 h<br>Test atmosphere: vapour<br>Remarks: no mortality |

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Acute dermal toxicity : LD50 Dermal (Rabbit, male): 10 ml/kg

### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Method	: OECD Test Guideline 404
Result	: No skin irritation

#### Components:

##### trinexapac-ethyl (ISO):

Method	: OECD Test Guideline 404
Result	: No skin irritation

##### (2-methoxymethylethoxy)propanol:

Species	: Human
Result	: No skin irritation

### Serious eye damage/eye irritation

Not classified based on available information.

#### Product:

Method	: OECD Test Guideline 405
Result	: No eye irritation

#### Components:

##### trinexapac-ethyl (ISO):

Method	: OECD Test Guideline 405
Result	: slight irritation

##### (2-methoxymethylethoxy)propanol:

Species	: Human
Result	: No eye irritation

### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

#### Product:

Method	: OECD Test Guideline 429
Result	: Does not cause skin sensitisation.

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### Components:

#### **trinexapac-ethyl (ISO):**

Assessment	:	The product is a skin sensitiser, sub-category 1B.
Result	:	Causes skin sensitization.
Remarks	:	Based on EU Harmonised classification - Annex VI of Regulation (EC) No 1272/2008 (CLP Regulation)

#### **(2-methoxymethylethoxy)propanol:**

Species	:	Humans
Result	:	Does not cause skin sensitisation.

### **Germ cell mutagenicity**

Not classified based on available information.

### Product:

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

#### **trinexapac-ethyl (ISO):**

Genotoxicity in vitro	:	Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative
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Germ cell mutagenicity- Assessment	:	Animal testing did not show any mutagenic effects.
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#### **(2-methoxymethylethoxy)propanol:**

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

Test Type: Chromosome aberration test in vitro  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
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.
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### **Carcinogenicity**

Not classified based on available information.

### Product:

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

### Components:

#### **trinexapac-ethyl (ISO):**

Species : Mouse  
Method : OECD Test Guideline 453  
Result : negative

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

#### **(2-methoxymethylethoxy)propanol:**

Species : Rat, male and female  
Application Route : inhalation (vapour)  
Exposure time : 2 years  
Dose : 300, 1000, 3000ppm  
              : 300 ppm  
Method : OECD Test Guideline 453  
Result : negative  
Remarks : Based on data from similar materials

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

### **Reproductive toxicity**

Not classified based on available information.

### Product:

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

### Components:

#### **trinexapac-ethyl (ISO):**

Effects on fertility : Test Type: Two-generation study  
                              Method: OECD Test Guideline 416  
                              Result: negative

Effects on foetal development : Test Type: Pre-natal  
  Method: OECD Test Guideline 414  
  Result: negative

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

#### **(2-methoxymethylethoxy)propanol:**

Effects on fertility : Test Type: Two-generation study  
                              Species: Rat, male and female

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Application Route: Inhalation  
Dose: 300, 1000, 3000ppm  
General Toxicity - Parent: NOAEL: 300  
General Toxicity F1: NOAEL: 1.000  
General Toxicity F2: NOAEL: 1.000  
Method: OECD Test Guideline 416  
Result: negative  
Remarks: Based on data from similar materials

Effects on foetal development : Test Type: Developmental Toxicity Screening Test  
Species: Rat  
Application Route: Inhalation  
Dose: 0, 50, 150, 300 parts per million  
General Toxicity Maternal: LOAEL: >= 300 part per million  
Teratogenicity: LOAEL: >= 300 part per million  
Result: negative

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

### STOT - single exposure

Not classified based on available information.

#### Product:

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

#### Components:

##### trinexapac-ethyl (ISO):

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

### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

#### Components:

##### trinexapac-ethyl (ISO):

Assessment : May cause damage to organs through prolonged or repeated exposure.

##### (2-methoxymethylethoxy)propanol:

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

### Repeated dose toxicity

#### Components:

##### trinexapac-ethyl (ISO):

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Species	:	Rabbit
LOAEL	:	360 mg/kg
Exposure time	:	13 d
Target Organs	:	Stomach mucosal

### (2-methoxymethylethoxy)propanol:

Species	:	Rat, male and female
NOAEL	:	200 mg/kg
Application Route	:	Oral
Exposure time	:	4 weeks
Dose	:	40, 200, 1000mg/kg

Species	:	Rat, male and female
NOAEL	:	200 ppm
Application Route	:	inhalation (vapour)
Exposure time	:	13 weeks
Dose	:	15, 50, 200 ppm

Species	:	Rabbit, male
NOAEL	:	2850 mg/kg bw/day
Application Route	:	Dermal
Exposure time	:	90d
Dose	:	1, 3, 5, 10 ml/kg
Remarks	:	mortality

### Aspiration toxicity

Not classified based on available information.

#### Product:

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.
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### Further information

#### Product:

Remarks	:	No data available
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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Product:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 20,1 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 175 mg/l Exposure time: 72 h
		NOEC (Lemna gibba (duckweed)): 8,2 mg/l Exposure time: 7 d
		EC50 (Lemna gibba (duckweed)): 584 mg/l Exposure time: 7 d
Toxicity to soil dwelling organisms	:	LC50: > 205 mg/kg Exposure time: 56 d Species: Eisenia fetida (earthworms)
Toxicity to terrestrial organisms	:	LD50: 612 µg/bee Exposure time: 48 h End point: Acute oral toxicity Species: Apis mellifera (bees)
		LD50: 909 µg/bee Exposure time: 48 h End point: Acute contact toxicity Species: Apis mellifera (bees)

##### **Ecotoxicology Assessment**

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

##### Components:

##### **trinexapac-ethyl (ISO):**

Toxicity to fish	:	LC50 (Ictalurus punctatus (channel catfish)): 35 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 142,5 mg/l Exposure time: 48 h
		EC50 (Americamysis bahia (mysid shrimp)): 6,5 mg/l Exposure time: 96 h
Toxicity to algae/aquatic	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 24,9

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plants	mg/l Exposure time: 72 h  EC50 (Myriophyllum spicatum): 1,2 mg/l Exposure time: 14 d  NOEC (Pseudokirchneriella subcapitata (green algae)): 8 mg/l Exposure time: 96 h  NOEC (Myriophyllum spicatum): < 0,025 mg/l Exposure time: 14 d  EC10 (Myriophyllum spicatum): 0,011 mg/l Exposure time: 14 h
Toxicity to fish (Chronic toxicity)	: NOEC: 0,41 mg/l Exposure time: 35 d Species: Pimephales promelas (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 2,4 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)
M-Factor (Chronic aquatic toxicity)	: 1
Toxicity to soil dwelling organisms	: LC50: 250 mg/kg Species: Eisenia fetida (earthworms)
Toxicity to terrestrial organisms	: LD50: 2.000 mg/kg Species: Anas platyrhynchos (Mallard duck)  LD50: 69,6 µg/bee Exposure time: 48 h Species: Apis mellifera (bees)

### (2-methoxymethylethoxy)propanol:

Toxicity to fish	: LC50 (Poecilia reticulata (guppy)): > 1.000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: LC50 (Daphnia magna (Water flea)): 1.919 mg/l Exposure time: 48 h Test Type: static test  LC50 (Crangon crangon (shrimp)): > 1.000 mg/l Exposure time: 48 h Test Type: semi-static test
Toxicity to algae/aquatic plants	: NOEC (Pseudokirchneriella subcapitata (green algae)): 969 mg/l Exposure time: 72 h



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Method: OECD Test Guideline 201

EC50 (Pseudokirchneriella subcapitata (green algae)): > 969 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to microorganisms : EC10 (Pseudomonas putida): 4.168 mg/l  
Exposure time: 18 h  
Test Type: Growth inhibition

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0,5 mg/l  
Exposure time: 22 d  
Species: Daphnia magna (Water flea)  
Test Type: flow-through test  
Remarks: No toxicity at the limit of solubility

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: Not readily biodegradable.  
Estimation based on data obtained on active ingredient.  
Product contains minor amounts of not readily biodegradable components, which may not be degradable in waste water treatment plants.

#### Components:

##### **trinexapac-ethyl (ISO):**

Biodegradability : Result: Not readily biodegradable.

##### **(2-methoxymethylethoxy)propanol:**

Biodegradability : Inoculum: activated sludge  
Result: Readily biodegradable.  
Method: OECD Test Guideline 301F

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: Low potential for bioaccumulation  
Estimation based on data obtained on active ingredient.

#### Components:

##### **trinexapac-ethyl (ISO):**

Bioaccumulation : Bioconcentration factor (BCF): 1,3 - 11  
Remarks: Low potential for bioaccumulation

Partition coefficient: n-octanol/water : log Pow: 1,5 (25 °C)  
pH: 5

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log Pow: -0,29 (25 °C)  
pH: 6,9

log Pow: -2,1 (25 °C)  
pH: 8,9

### (2-methoxymethylethoxy)propanol:

Partition coefficient: n-  
octanol/water : log Pow: 0,004 (25 °C)

### 12.4 Mobility in soil

#### Product:

Distribution among environ-  
mental compartments : Remarks: medium mobility in soil  
Estimation based on data obtained on active ingredient.

#### Components:

##### trinexapac-ethyl (ISO):

Distribution among environ-  
mental compartments : Remarks: Moderately 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 consid-  
ered 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.

### 12.7 Other adverse effects

#### Product:

Additional ecological infor-  
mation : An environmental hazard cannot be excluded in the event of  
unprofessional handling or disposal.  
Harmful to aquatic life.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- |                        |   |  |
|------------------------|---|--|
| Product                | : | The product should not be allowed to enter drains, water courses or the soil.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Send to a licensed waste management company. |
| Contaminated packaging | : | Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.<br>Do not burn, or use a cutting torch on, the empty drum.   |

### SECTION 14: Transport information

#### 14.1 UN number or ID number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Not applicable

#### 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:<br>Number on list 3 |
| 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  |

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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 : Not applicable

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

### Other regulations:

When evaluating a workplace, measures must be taken to ensure that employees are not exposed to conditions that may pose a risk during pregnancy or breastfeeding (cf. The Danish Working Environment Authority's Executive Order on The Performance of Work)

Young people under the age of 18 are not allowed to use or be exposed to the product professionally. Young people above the age of 15 are, however, except from this rule if the product is a necessary part of their education.

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

TCSI	: Not in compliance with the inventory
TSCA	: Product contains substance(s) not listed on TSCA inventory.
AIIC	: Not in compliance with the inventory
DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL.  trinexapac-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
TECI	: Not in compliance with the inventory

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### 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

H317 : May cause an allergic skin reaction.  
H373 : May cause damage to organs through prolonged or repeated exposure.  
H410 : Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard  
Skin Sens. : Skin sensitisation  
STOT RE : Specific target organ toxicity - repeated exposure  
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
DK OEL : Denmark. Occupational Exposure Limits  
2000/39/EC / TWA : Limit Value - eight hours  
DK OEL / GV : Long term exposure limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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 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

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- Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Other information : see user defined free text

### Classification of the mixture:

STOT RE 2	H373
Aquatic Chronic 3	H412

### Classification procedure:

Calculation method
Based on product data or assessment

### Disclaimer

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