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



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

1.1 Product identifier

Product name FREEZE® NT

Other means of identification

Product code 50000785

Unique Formula Identifier

(UFI)

0E30-C390-0N4R-G7AU

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

Use of the Sub- : Plant growth regulator

stance/Mixture

Recommended restrictions :

on use

Use as recommended by the label.

For professional users only.

1.3 Manufacturer or supplier's details

Supplier Address FMC Agricultural Solutions A/S

Thyborønvej 78 DK-7673 Harboøre

Denmark

Telephone: +45 9690 9690 Telefax: +45 9690 9691

E-mail address: SDS-Info@fmc.com .

1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:

Ireland: 353-19014670 (CHEMTREC)

Medical emergency:

Ireland (Republic): +352 1 809 2166

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

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



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Skin sensitisation, Sub-category 1B H317: May cause an allergic skin reaction.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Specific target organ toxicity - repeated exposure, Category 2, Gastrointestinal

tract

H373: May cause damage to organs through pro-

longed or repeated exposure.

Long-term (chronic) aquatic hazard, Cat-

egory 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 : H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H373 May cause damage to organs (Gastrointestinal tract)

through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : Prevention:

P260 Do not breathe mist or vapours.

P280 Wear protective gloves/ protective clothing/ eye protec-

tion/ face protection.

Response:

P314 Get medical advice/ attention if you feel unwell.
P333 + P313 If skin irritation or rash occurs: Get medical

advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/

attention.

Disposal:

P501 Dispose of contents/container as hazardous waste in

accordance with local regulations.

Hazardous components which must be listed on the label:

trinexapac-ethyl (ISO)

Additional Labelling

EUH401 To avoid risks to human health and the environment, comply with the instruc-

tions for use.

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

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



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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

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Tristyrylphenol ethoxylates	99734-09-5	Aquatic Chronic 3; H412	>= 25 - < 30
trinexapac-ethyl (ISO)	95266-40-3 607-752-00-4	Skin Sens. 1B; H317 STOT RE 2; H373 (Gastrointestinal tract) Aquatic Chronic 1; H410 M-Factor (Chronic aquatic toxicity): 1	>= 20 - < 25

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 : Avoid inhalation, ingestion and contact with skin and eyes.

If inhaled : Remove to fresh air.

If unconscious, place in recovery position and seek medical

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



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advice.

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 ambu-

lance.

In case of skin contact : If on clothes, remove clothes.

If on skin, rinse well with water.

Wash off with soap and plenty of water.

Get medical attention immediately if irritation develops and

persists.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do not 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 an allergic skin reaction.

Causes serious eye irritation.

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.

Immediate medical attention is required in case of ingestion.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Unsuitable extinguishing

media

: Do not spread spilled material with high-pressure water

streams.

High volume water jet

5.2 Special hazards arising from the substance or mixture

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

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



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fighting courses.

Hazardous combustion prod: :

ucts

Fire may produce irritating, corrosive and/or toxic gases.

Carbon oxides

5.3 Advice for firefighters

Special protective equipment:

for firefighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

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 sepa-

rately in closed containments.

Use a water spray to cool fully closed containers.

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 : Neutralize with chalk, alkali solution or ammonia.

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) 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.

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



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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.

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

Do not spray on a naked flame or any incandescent material. 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. 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

: Observe label precautions. Store in original container. Keep in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must com-

ply with the technological safety standards. No smoking.

Further information on stor-

age conditions

The product is stable under normal conditions of warehouse

storage. 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 availa-

ble.

Further information on stor-

age stability

No decomposition if stored and applied as directed.

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.

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



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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
trinexapac-ethyl (ISO)		Oral		0.34 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
trinexapac-ethyl (ISO)	Water	0.0082 mg/l

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

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 per-

sonal 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 in-

structions.

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 instruc-

tions for use.

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



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid
Colour : transparent
Odour : like soap

Odour Threshold : not determined Melting point/freezing point : not determined Initial boiling point and boiling : not determined

range

Upper explosion limit / Upper

flammability limit

Lower explosion limit / Lower

flammability limit

Flash point : 76 °C
Decomposition temperature : 310 °C
pH : 3.72

Concentration: 1 % (1% solution in water)

not determined

not determined

Viscosity

Viscosity, dynamic : 16.4 mPa,s (20 °C) 14.1 mPa.s (40 °C)

Viscosity, kinematic : not determined

Solubility(ies)

Solubility in other solvents : No data available Vapour pressure : not determined Relative density : 1.011 (20 °C) Relative vapour density : not determined

Particle characteristics

Particle size : Not applicable

9.2 Other information

Explosives : Not explosive Oxidizing properties : Non-oxidizing

Self-ignition : 269 °C

Evaporation rate : not determined Miscibility with water : dispersible

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.

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



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10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

Heating of the product will produce harmful and irritant va-

pours.

10.5 Incompatible materials

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

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

Not classified based on available information.

Product:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 423

Acute inhalation toxicity : LC50 (Rat): > 5.08 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 402

Components:

Tristyrylphenol ethoxylates:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

trinexapac-ethyl (ISO):

Acute oral toxicity : LD50 (Rat, female): 4,210 mg/kg

Method: OECD Test Guideline 401

LD50 (Rat, male): 4,610 mg/kg Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 5.3 mg/l

Exposure time: 4 h

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



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Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 4,000 mg/kg

Method: OECD Test Guideline 402

Skin corrosion/irritation

Not classified based on available information.

Product:

Method : OECD Test Guideline 404

Result : No skin irritation

Components:

Tristyrylphenol ethoxylates:

Species : Rabbit

Method : OECD Test Guideline 404

Result : No skin irritation

trinexapac-ethyl (ISO):

Method : OECD Test Guideline 404

Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Method : OECD Test Guideline 405

Result : Irritation to eyes, reversing within 21 days

Components:

Tristyrylphenol ethoxylates:

Species : Rabbit

Method : OECD Test Guideline 405

Result : No eye irritation

trinexapac-ethyl (ISO):

Assessment : No eye irritation

Method : OECD Test Guideline 405

Result : slight irritation

Remarks : Minimal effects that do not meet the threshold for classifica-

tion.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

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



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Respiratory sensitisation

Not classified based on available information.

Product:

Test Type : Local lymph node assay (LLNA)

Assessment : The product is a skin sensitiser, sub-category 1B.

Method : OECD Test Guideline 429
Result : Causes skin sensitization.

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 Regula-

tion (EC) No 1272/2008 (CLP Regulation)

Germ cell mutagenicity

Not classified based on available information.

Product:

Germ cell mutagenicity- As-

sessment

Weight of evidence does not support classification as a germ

cell mutagen.

Components:

trinexapac-ethyl (ISO):

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro

Method: OECD Test Guideline 473

Result: negative

Germ cell mutagenicity- As-

sessment

: Animal testing did not show any mutagenic effects.

Carcinogenicity

Not classified based on available information.

Product:

Carcinogenicity - Assess-

ment

Weight of evidence does not support classification as a car-

cinogen

Components:

trinexapac-ethyl (ISO):

Species : Mouse

Method : OECD Test Guideline 453

Result : negative

Carcinogenicity - Assess-

ment

Animal testing did not show any carcinogenic effects.

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



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Reproductive toxicity

Not classified based on available information.

Product:

Reproductive toxicity - As-

sessment

Weight of evidence does not support classification for repro-

ductive toxicity

Components:

trinexapac-ethyl (ISO):

Effects on fertility : Test Type: Two-generation study

Method: OECD Test Guideline 416

Result: negative

Effects on foetal develop-

ment

: Test Type: Pre-natal

Method: OECD Test Guideline 414

Result: negative

Reproductive toxicity - As-

sessment

Weight of evidence does not support classification for repro-

ductive toxicity

STOT - single exposure

Not classified based on available information.

Product:

Assessment : The substance or mixture is not classified as specific target

organ toxicant, single exposure.

Components:

Tristyrylphenol ethoxylates:

Remarks : No significant adverse effects were reported

STOT - repeated exposure

May cause damage to organs (Gastrointestinal tract) through prolonged or repeated exposure.

Product:

Target Organs : Gastrointestinal tract

Assessment : The substance or mixture is classified as specific target organ

toxicant, repeated exposure, category 2.

Components:

trinexapac-ethyl (ISO):

Target Organs : Gastrointestinal tract

Assessment : May cause damage to organs through prolonged or repeated

exposure.

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



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Repeated dose toxicity

Components:

trinexapac-ethyl (ISO):

Species Rabbit LOAEL 360 mg/kg Exposure time 13 d

Target Organs Stomach mucosal

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration toxicity classification

Components:

Tristyrylphenol ethoxylates:

No aspiration toxicity classification

11.2 Information on other hazards

Endocrine disrupting properties

Product:

The substance/mixture does not contain components consid-Assessment

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.

Further information

Product:

Remarks No data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 13.7 mg/l

Exposure time: 96 h

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 21.5 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

IC50 (Pseudokirchneriella subcapitata (green algae)): 16.6

mg/l

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Exposure time: 72 h

NOEC (Lemna gibba (duckweed)): 3.2 mg/l

Exposure time: 7 d

EC50 (Lemna gibba (duckweed)): > 100 mg/l

Exposure time: 7 d

Ecotoxicology Assessment

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

Remarks: According to calculation method of Regulation (EC)

No 1272/2008.

Components:

Tristyrylphenol ethoxylates:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 500 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 13.9 mg/l

Exposure time: 48 h Test Type: static test

Method: OECD Test Guideline 202

Toxicity to microorganisms : EC50 (Bacteria): > 1,000 mg/l

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

plants

EC50 (Pseudokirchneriella subcapitata (green algae)): 24.9

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

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



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Exposure time: 14 h

Toxicity to fish (Chronic tox-

icity)

NOEC: 0.41 mg/l Exposure time: 35 d

Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other : aquatic invertebrates (Chron-

ic 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 or-

ganisms

LC50: > 250 mg/kg

Species: Eisenia fetida (earthworms)

Toxicity to terrestrial organ-

isms

LD50: > 2,000 mg/kg

Species: Anas platyrhynchos (Mallard duck)

LD50: 69.6 µg/bee Exposure time: 48 h

End point: Acute contact toxicity Species: Apis mellifera (bees)

LD50: > 108 µg/bee Exposure time: 48 h

End point: Acute oral toxicity Species: Apis mellifera (bees)

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:

Tristyrylphenol ethoxylates:

Biodegradability : Result: Not readily biodegradable.

Biodegradation: 10 - 35 %

Exposure time: 28 d

Method: OECD Test Guideline 302B

Remarks: Based on data from similar materials

trinexapac-ethyl (ISO):

Biodegradability : Result: Not readily biodegradable.

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12.3 Bioaccumulative potential

Product:

Remarks: Low potential for bioaccumulation Bioaccumulation

Estimation based on data obtained on active ingredient.

Components:

trinexapac-ethyl (ISO):

Bioaccumulation Bioconcentration factor (BCF): 1.3 - 11

Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-

octanol/water

log Pow: 1.5 (25 °C)

pH: 5

log Pow: -0.29 (25 °C)

pH: 6.9

log Pow: -2.1 (25 °C)

pH: 8.9

12.4 Mobility in soil

Product:

mental compartments

Distribution among environ: 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.

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



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12.7 Other adverse effects

Product:

Additional ecological infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

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 han-

dling 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.

(TRINEXAPAC-ETHYL)

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(TRINEXAPAC-ETHYL)

RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(TRINEXAPAC-ETHYL)

IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S.

(TRINEXAPAC-ETHYL)

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



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IATA : Environmentally hazardous substance, liquid, n.o.s.

(TRINEXAPAC-ETHYL)

14.3 Transport hazard class(es)

Class Subsidiary risks

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

14.4 Packing group

ADN

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

ADR

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

RID

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

IMDG

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

IATA (Cargo)

Packing instruction (cargo : 964

aircraft)

Packing instruction (LQ) : Y964
Packing group : III

Labels : Miscellaneous

IATA (Passenger)

Packing instruction (passen- : 964

ger aircraft)

Packing instruction (LQ) : Y964
Packing group : III

Labels : Miscellaneous

14.5 Environmental hazards

ADN

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



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Environmentally hazardous yes

ADR

Environmentally hazardous yes

Environmentally hazardous yes

IMDG

Marine pollutant ves

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)

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

Not applicable

Regulation (EC) on substances that deplete the ozone

laver

Not applicable

Regulation (EU) 2019/1021 on persistent organic pollu-

tants (recast)

Not applicable

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import

of dangerous chemicals

Not applicable

Number on list 3

Conditions of restriction for the fol-

lowing entries should be considered:

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

Not applicable

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



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dangerous substances.

Other regulations:

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 : On the inventory, or 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) Tristyrylphenol ethoxylates

ENCS : Not in compliance with the inventory

ISHL : Not in compliance with the inventory

KECI : On the inventory, or 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

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

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.
H412 : Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic : Long-term (chronic) aquatic hazard

Skin Sens. : Skin sensitisation

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



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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 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: Classification procedure:

Skin Sens. 1B	H317	Based on product data or assessment
Eye Irrit. 2	H319	Based on product data or assessment
STOT RE 2	H373	Based on product data or assessment
Aquatic Chronic 2	H411	Based on product data or assessment

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