



Nemathorin® 10G

syngenta.

GROUP N1 NEMATOCIDE

Product registration number: MAPP 11003
UFI: 7C0R-2YGX-WW89-SW3W

Fine granule containing 10% w/w fosthiazate.

A contact nematocide/insecticide for the control of the potato cyst nematode (*Globodera rostochiensis* and *Globodera pallida*) and a reduction of potato tuber damage caused by wireworm and reduction of spraing transmitted by free-living nematodes.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

Colour of the bottom of the container will change every calendar year to track the manufacturing date of the empty container. There is no link with the manufacturing date of the product Nemathorin 10G inside the container.

PROTECT FROM FROST.

In case of toxic or transport emergency ring +44 (0)1484 538444 any time.

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Approval holder:

ISK Biosciences Europe NV
Pegasus Park, De Kleetlaan 12B
1831 Diegem
Belgium

UK Marketing Company:

Syngenta UK Ltd
CPC4, Capital Park, Fulbourn,
Cambridge, CB21 5XE
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This product label is compliant with the
CPA Voluntary Initiative (VI) guidance.

20 kg

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the SYNGENTA Logo and the PURPOSE ICON
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NEMATHORIN 10G

Fine granule containing 10% w/w fosthiazate

Signal Word

Danger

Hazard Statements

Toxic if swallowed.

Toxic to aquatic life with long lasting effects.

Precautions Statements

Avoid breathing dust.

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/ protective clothing/ eye protection/ face protection.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

IF ON SKIN: Wash with plenty of soap and water.

Specific treatment (see supplemental first aid instructions on this label).

Rinse mouth.

If skin irritation or rash occurs: Get medical advice/ attention.

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Supplemental Information

Toxic by eye contact.

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

Contains Fosthiazate (ISO) (98886-44-3). May cause an allergic reaction.

Safety data sheet available on request.



MAPP 11003

UFI: 7C0R-2YGX-WW89-SW3W

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL NEMATOCIDE / INSECTICIDE

Crops: Potatoes

Maximum individual dose per crop, Maximum number treatments, Latest time of application and Other specific restrictions: Full details are given in IMPORTANT INFORMATION on attached leaflet.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL NEMATOCIDE / INSECTICIDE

Crops	Maximum individual dose per crop	Maximum number of treatments	Latest time of application
Potatoes	Broadcast overall application 30 kg product/ha	One per crop	At planting

Other specific restrictions:

DO NOT desiccate or harvest crops for human or animal consumption for at least 17 weeks after application.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**SAFETY PRECAUTIONS****(a) Operator protection**

FOSTHIAZATE is an anticholinesterase organophosphorus compound. Do not use if under medical advice NOT to work with such compounds. Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, EYE PROTECTION (GOGGLES) AND FILTERING FACE PIECE RESPIRATOR (DISPOSABLE FILTERING FACE PIECE TO AT LEAST EN 149 FFP3) when handling the product, adjusting granule application machinery or handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying the product via tractor-mounted/drawn machinery.
WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS AND RUBBER APRON), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS, EYE PROTECTION (GOGGLES) AND A FILTERING FACE PIECE RESPIRATOR (DISPOSABLE FILTERING FACE PIECE TO AT LEAST EN 149 FFP3) when cleaning contaminated equipment.

However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of the gloves.

TAKE OFF IMMEDIATELY heavily contaminated clothing.

WASH DUST from skin or eyes immediately.

DO NOT BREATHE DUST.

AVOID ALL CONTACT BY MOUTH.

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

SYMPTOMS OF POISONING

The active ingredient fosthiazate inhibits cholinesterase, resulting in stimulation of the nervous system, the parasympathetic nervous system and the somatic motor nerves. The symptoms may include excessive sweating, headache, weakness, faintness and giddiness, nausea, stomach pains, vomiting, small pupils, blurred vision, muscle twitching. First aid measures are aimed at reactivating cholinesterase and eliminating exposure.

FIRST AID TREATMENT

If any of the above symptoms occur, particularly if there is known contamination.

STOP WORK

Remove contaminated clothing. Wash exposed skin and hair. Prevent all exertion. Call doctor AT ONCE and show him this label.

Following an **oral exposure**, seek medical advice immediately and show this container or label. Do NOT induce vomiting. The symptoms are of cholinesterase inhibition. Consider taking venous blood for determination of blood cholinesterase activity (heparin tube).

Following a **dermal exposure**, the skin should be washed with copious amounts of tap water and soap. Contaminated clothing and footwear should be removed. Consult a doctor/medical service.

Following **inhalation exposure**, leave the contaminated area immediately and move to fresh air. Consult a doctor/medical service.

Following **ocular exposure**, remove any contact lens at once. Eyes should be immediately irrigated with copious amounts of water for at least 15 minutes. Irrigation should not be delayed for the purpose of obtaining sterile or special irrigating solutions. If pain, swelling or photophobia persists, the individual should submit to an ophthalmologic examination.

GUIDE TO DOCTOR**Initial Measures**

Initial measures would include establishment of a patient airway, removal of secretions, and respiratory resuscitation as needed.

(b) Environmental protection

DANGEROUS TO LIVESTOCK. Keep all livestock out of treated areas for at least 13 weeks following treatment.

To protect birds/wild mammals the product must be fully incorporated in the soil; ensure that the product is also fully incorporated at the end of rows.

To protect birds and wild mammals remove spillages. 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.

To protect groundwater do not apply this or any other product containing fosthiazate more than once every four years.

The incorporation of the product into soil to a depth of 10-15 centimetres and ridging-up of treated soil must be carried out immediately after application.

(c) Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely. RETURN EMPTY CONTAINER TO THE SUPPLIER.

DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE.

OPEN THE CONTAINER ONLY AS DIRECTED.

This leaflet is part of the approved Product Label.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be carefully read in order to obtain safe and successful use of this product.

RESTRICTIONS

NEMATHORIN 10G granules must be evenly applied and incorporated completely in one operation. FAILURE TO COMPLETELY BURY GRANULES IMMEDIATELY AFTER APPLICATION IS HAZARDOUS TO WILDLIFE. DO NOT USE on crops desiccated or harvested less than 17 weeks after treatment with NEMATHORIN 10G. Consult processor before using on crops being grown for processing.

PESTS CONTROLLED

A contact nematocide/insecticide for the control of the potato cyst nematode (*Globodera rostochiensis* and *Globodera pallida*). Also for the reduction of potato tuber damage caused by wireworms (*Agriotes* spp) plus reduction of spraing resulting from tobacco rattle virus (TRV) transmitted by species of free-living nematodes, (stubby root nematodes) belonging to the genera *Trichodorus* and *Paratrachodorus*.

CROP SPECIFIC INFORMATION**Timing**

At the time of planting

Rates of Use

For control of potato cyst nematodes: 30 kg/ha - broadcast overall and incorporated.
For reduction of spraing symptoms: 30 kg/ha - broadcast overall and incorporated before planting or at the time of tuber planting.
For reduction of wireworm damage: 15 kg/ha - broadcast and incorporated at the time of tuber planting.

APPLICATION

Ensure that the hopper on the application equipment is large enough to accommodate the full container content and that the amount dispensed is not more than is required for the area to be treated.

Operating instructions: This is a 'one shot' container; all contents to be used in one operation. This container should only be used in conjunction with a suitable adapter fitted to the hopper lid.

1. Remove the safety caps from the valve and applicator hopper.
2. Fit the container valve on to the applicator hopper.
3. Rotate the container anti-clockwise to start the flow of product.
4. When emptying is complete, rotate the container clockwise.
5. Remove the container from the applicator hopper.
6. Replace the safety caps on the applicator hopper and valve.
7. Return the empty containers to your supplier for recycling. Do not rinse out container.
8. Empty containers must be handled, transported and stored as if they contain pesticide.

Depth of incorporation is important for optimum efficacy. NEMATHORIN 10G granules should be incorporated to a depth of 10-15 cm. Incorporation to a greater depth than 10-15 cm will reduce efficacy of PCN control.

Application and incorporation is best achieved using equipment such as Horstine Farmery MICROBAND or TMatc, Matco or Stocks-Micrometer or TechNeat Maxicast applicators together with a rear-mounted powered rotary cultivator.

Powered rotary cultivators are the preferred implement for incorporation but discs, power, spring tine or Dutch harrows can be used provided that two passes are made at right angles to each other.

Application with Stone Separating Equipment

Where application of NEMATHORIN 10G granules is to be done at the same time as stone separation, the granules should be applied through a Horstine Farmery MICROBAND applicator fitted with fishtail spreaders with a distance of 30 cm between centres fixed to the frame of the stone separator. The fishtail spreaders should be positioned as far forward as possible and ideally to achieve optimum placement and depth of incorporation should be placed above the first roller/web. It may be necessary to adjust the position according to the soil type and conditions. It is important that the applicator is positioned so that the granules are uniformly incorporated to a depth of 10-15 cm. INCORPORATION TO A GREATER DEPTH WILL CAUSE A REDUCTION IN CONTROL.

IMPORTANT

DO NOT ALLOW THE GRANULES TO BECOME WET OR DAMP BEFORE APPLICATION. DO NOT ALLOW THE GRANULES TO STAND OVERNIGHT IN THE APPLICATION HOPPER. Ensure that the hopper and rotators are clean and dry before use. Application equipment should be calibrated prior to use to ensure accurate dosing and incorporation.

APPLICATION EQUIPMENT CLEANING PROCEDURE

Ensure that no or only a minimal quantity of product remains in the hopper after field application. Upon completion, place suitable receptacles over the delivery tubes, crank the applicator and collect the remaining granules. Comply with operator safety measures during these manipulations. The granules collected should be disposed in appropriate chemical waste.

STORAGE

Keep dry and frost proof in a suitable pesticide store between 0 and 32oC.

COMPANY ADVISORY INFORMATION

For the latest further advice and information on optimising product application, consult your **distributor**, a **BASIS qualified agronomist** or contact Syngenta Crop Protection Technical Enquires on 0800 169 6058.

Product registration number: MAPP 11003

Fine granule containing 10% w/w fosthiazate.
A contact nematocide/insecticide for the control of the potato cyst nematode (*Globodera rostochiensis* and *Globodera pallida*) and a reduction of potato tuber damage caused by wireworm and reduction of spraing transmitted by free-living nematodes.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

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© MICROBAND is a Registered Trademark of Chafer Machinery Limited

PROTECT FROM FROST

Approval holder: ISK Biosciences Europe NV Pegasus Park, De Kleetlaan 12B 1831 Diegem Belgium	UK Marketing Company: Syngenta UK Ltd CPC4, Capital Park, Fulbourn, Cambridge, CB21 5XE Tel: Cambridge (01223) 883400	 This product label is compliant with the CPA Voluntary Initiative (VI) guidance.
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**Section 6 of the Health and Safety at Work Act
Additional Product Safety Information**

(This section does not form part of the product label under the Plant Protection Products Regulations)

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has 'Extension of Use' approval or is otherwise permitted under the Plant Protection Products Regulations.

The information on this label is based on the best available information including data from test results.

SAFETY DATA SHEET - V13**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Trade name: NEMATHORIN 10 G

Design code: A12842A

Product Registration Number: MAPP 11003

Unique Formula Identifier (UFI) : 7COR-2YGX-WW89-SW3W

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

Recommended restrictions on use: professional use

1.3 Details of the supplier of the safety data sheet

Company: Syngenta UK Ltd

CPC4, Capital Park, Fulbourn, Cambridge, CB21 5XE

Telephone: +44 (0) 1223 883400

Telefax: +44 (0) 1223 882195

E-mail address of person responsible for the SDS:
product.technical_enquiries@syngenta.com

1.4 Emergency telephone number

Emergency telephone number +44 (0) 1484 538444

SECTION 2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Acute toxicity, Category 3 - H301: Toxic if swallowed.

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) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Acute toxicity, Category 3 - H301: Toxic if swallowed.

Long-term (chronic) aquatic hazard, Category 2 - H411: Toxic to aquatic life with long lasting effects.

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. This product contains

an anticholinesterase compound. Do not use if under medical advice not to work with such compounds.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Components**

Chemical Name
fosthiazate (ISO)
CAS-No. EC-No. Index-No. Registration number
98886-44-3
015-168-00-0
Classification
Acute Tox. 3; H301
Acute Tox. 3; H331
Acute Tox. 3; H311
Skin Sens. 1; H317
Aquatic Acute 1; H400
Aquatic Chronic 1; H410
M-Factor (Acute aquatic toxicity): 1
M-Factor (Chronic aquatic toxicity): 1
Concentration (% w/w)
=> 10 - < 20

For explanation of abbreviations see section 16.

SECTION 4. FIRST AID MEASURES**4.1 Description of first aid measures**

General advice: Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control centre or physician, or going for treatment.

If inhaled: Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.

In case of skin contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses. Immediate medical attention is required.

If swallowed: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Poisoning produces effects associated with anticholinesterase activity which may include: Nausea, Diarrhoea, Vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Consider taking venous blood for determination of blood cholinesterase activity (use heparin tube). Administer atropine sulphate as antidote. Specific antidotes are oximes (e.g. Pralidoxime) or Toxogonin.

SECTION 5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media:

Extinguishing media - small fires

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires

Use alcohol-resistant foam or water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions: Refer to protective measures listed in sections 7 and 8. Avoid dust formation.

6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13). Do not create a powder cloud

Treatment: Consider taking venous blood for determination of blood cholinesterase activity (use heparin tube). Administer atropine sulphate as antidote. Specific antidotes are oximes (e.g. Pralidoxime) or Toxogonin.

SECTION 5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media:

Extinguishing media - small fires

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires

Use alcohol-resistant foam or water spray.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

5.2 Specific hazards arising from the substance or mixture

Specific hazards during firefighting: As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Special protective equipment for firefighters: Wear full protective clothing and self-contained breathing apparatus.

Further information: Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Contains no substances with occupational exposure limit values.

8.2 Exposure controls Engineering measures

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Eye/face protection: Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded. Tightly fitting safety goggles

Face-shield

Hand protection

Remarks : No special protective equipment required.

Skin and body protection: No special protective equipment required. Select skin and body protection based on the physical job requirements.

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Suitable respiratory equipment: Respirator with a half face mask.

The filter class for the respirator must be suitable for the max-imum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Protective measures: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: granules
Colour: red brown
Odour: characteristic
Odour Threshold: No data available
pH: 8.61 (21 °C), Concentration: 1 %w/v
Melting point/range: No data available
Boiling point/boiling range: No data available
Flash point: No data available
Evaporation rate: No data available
Flammability (solid, gas): Not classified as a flammability hazard
Upper explosion limit / Upper flammability limit: No data available
Lower explosion limit / Lower flammability limit: No data available
Vapour pressure: No data available
Relative vapour density: No data available
Density: 1.13 g/cm³ (25 °C)
Bulk density: 0.435 kg/dm³
1.0959 g/mlTap density
0.9985 g/mlPour density
Water solubility: dispersible
Partition coefficient: n-octanol/water: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity, dynamic: No data available
Viscosity, kinematic: No data available
Explosive properties: Not explosive
Oxidizing properties: The substance or mixture is not classified as oxidizing
9.2 Other Information
Particle size: No data available
SECTION 10. STABILITY AND REACTIVITY
10.1 Reactivity
None reasonably foreseeable.
10.2 Chemical stability
Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous reactions: No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid
Conditions to avoid: No decomposition if used as directed.
10.5 Incompatible materials
Materials to avoid: None known
10.6 Hazardous decomposition products
Hazardous decomposition products: No hazardous decomposition products are known.
SECTION 11. TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects
Information on likely routes of exposure: Ingestion, Inhalation, Skin contact, Eye contact
Acute toxicity
Product:
Acute oral toxicity:
LD50 (Rat, male and female): 230mg/kg
Acute inhalation toxicity: Acute toxicity estimate: > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method
Acute dermal toxicity: LD50 (Rat): > 2,000 mg/kg
0.9985 g/mlPour density
Assessment: The substance or mixture has no acute dermal toxicity
Components:
fosthiazate (ISO):
Acute oral toxicity: LD50 (Rat, female): 57 mg/kg
Acute inhalation toxicity: LC50 (Rat, female): 0.56 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Acute dermal toxicity: LD50 (Rat, female): 853 mg/kg
Skin corrosion/irritation
Product:
Species: Rabbit
Result: No skin irritation
Components:
fosthiazate (ISO):
Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Product:
Species: Rabbit
Result: No eye irritation
Components:
fosthiazate (ISO):
Species: Rabbit
Result: No eye irritation
Respiratory or skin sensitisation
Product:
Species: Guinea pig
Result: Does not cause skin sensitisation.
Components:
fosthiazate (ISO):
Result: May cause sensitisation by skin contact.
Germ cell mutagenicity
Components:
fosthiazate (ISO):
Germ cell mutagenicity- Assessment: Based on available data, the classification criteria are not met.
Carcinogenicity
Components:
fosthiazate (ISO):
Carcinogenicity - Assessment: Based on available data, the classification criteria are not met.
Reproductive toxicity
Components:
fosthiazate (ISO):
Reproductive toxicity - Assessment: Based on available data, the classification criteria are not met.
STOT - single exposure
Components:
fosthiazate (ISO):
Reproductive toxicity - Assessment: Based on available data, the classification criteria are not met.
STOT - repeated exposure
Components:
fosthiazate (ISO):
Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT - repeated exposure
Components:
fosthiazate (ISO):
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Partition coefficient: n-octanol/water: log Pow: 1.68
12.4 Mobility in soil
Components:
fosthiazate (ISO)
Distribution among environmental compartments: log Koc: 1.75
Remarks: Very highly mobile in soil.
Stability in soil: Dissipation time: 10.3 d
Percentage dissipation: 50% (DT50)
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.
Components:
fosthiazate (ISO):
Assessment: This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).
12.6 Other adverse effects
Product:
Endocrine disrupting potential: 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 13. DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods
Product: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.
12.3 Bioaccumulative potential
Components:
fosthiazate (ISO):
Bioaccumulation: Species: *Lepomis macrochirus* (Bluegill sunfish)
Exposure time: 672 h
Bioconcentration factor (BCF): 2.3 - 4.5

Remarks: Low bioaccumulation potential.
Partition coefficient: n-octanol/water: log Pow: 1.68

SECTION 14. TRANSPORT INFORMATION

14.1 UN number
ADR : UN 2783
RID : UN 2783
IMDG : UN 2783
IATA : UN 2783
14.2 UN proper shipping name
ADR : ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC (FOSTHIAZATE)
RID : ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC (FOSTHIAZATE)
IMDG: ORGANOPHOSPHORUS PESTICIDE, SOLID, TOXIC (FOSTHIAZATE)
IATA : Organophosphorus pesticide, solid, toxic (FOSTHIAZATE)
14.3 Transport hazard class(es)
ADR : 6.1
RID : 6.1
IMDG : 6.1
IATA : 6.1
14.4 Packing group
ADR
Packing group: III
Classification Code: T7
Hazard Identification Number: 60
Labels: 6.1
Tunnel restriction code: (E)
RID
Packing group: III
Classification Code: T7
Hazard Identification Number: 60
Labels: 6.1
IMDG
Packing group: III
Labels: 6.1
EmS Code: F-A, S-A
IATA (Cargo)
Packing instruction (cargo aircraft): 677

Packing instruction (LQ): Y645
Packing group: III
Labels: Toxic
IATA (Passenger)
Packing instruction (passenger aircraft): 670
Packing instruction (LQ): Y645
Packing group: III
Labels: Toxic Miscellaneous
14.5 Environmental hazards
ADR
Environmentally hazardous : yes
RID
Environmentally hazardous : yes
IMDG
Marine pollutant : 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 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture
Relevant EU provisions transposed through retained EU law
UK REACH List of restrictions (Annex 17): Not applicable
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation: Not applicable
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain): Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: Not applicable
UK REACH List of substances subject to authorisation (Annex XIV): Not applicable

GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation: Not applicable
Control of Major Accident Hazards Regulations 2015 (COMAH) H2 ACUTE TOXIC E2 ENVIRONMENTAL HAZ-ARDS

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.
SECTION 16. OTHER INFORMATION
Full text of H-Statements
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H317: May cause an allergic skin reaction.
H331: Toxic if inhaled.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.
Full text of other abbreviations
Acute Tox.: Acute toxicity
Aquatic Acute: Acute aquatic toxicity
Aquatic Chronic: Chronic aquatic toxicity
Skin Sens.: Skin sensitisation
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory

Further information
Classification of the mixture:
Acute Tox. 3 H301
Aquatic Chronic 2 H411

Classification procedure:
Based on product data or assessment
Calculation method

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NEMATHORIN 10G
Fine granule containing 10% w/w fosthiazate

Signal Word
Danger

Hazard Statements
Toxic if swallowed.
Toxic to aquatic life with long lasting effects.

Precautions Statements
Avoid breathing dust.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
IF ON SKIN: Wash with plenty of soap and water.
Specific treatment (see supplemental first aid instructions on this label).
Rinse mouth.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Supplemental Information
Toxic by eye contact.
To avoid risks to human health and the environment comply with the instructions for use.
Contains Fosthiazate (ISO) (98886-44-3). May cause an allergic reaction. MAPP 11003
Safety data sheet available on request. UF: 7COR-2YGX-WW89-SW3W

IMPORTANT INFORMATION
FOR USE ONLY AS AN AGRICULTURAL NEMATOCIDE / INSECTICIDE
Crops: Potatoes
Maximum individual dose per crop, Maximum number treatments, Latest time of application and Other specific restrictions: Full details are given in IMPORTANT INFORMATION on attached leaflet.
READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.