

## Safety data sheet

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BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from

time to time.

Date / Revised: 20.08.2025 Version: 3.0

Date / Previous version: 19.12.2024 Previous version: 2.0

Product: Tevos

(ID no. 30789295/SDS CPA GB/EN)

Date of print 25.08.2025

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

## 1.1. Product identifier

## **Tevos**

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

Relevant identified uses: crop protection product, fungicide

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

Company:
BASF plc
4th and 5th Floors
2 Stockport Exchange
Railway Road, Stockport, SK1 3GG
UNITED KINGDOM

Telephone: +44 161 475 3000

E-mail address: product-safety-uk-and-ireland@basf.com

## 1.4. Emergency telephone number

International emergency number: Telephone: +49 180 2273-112

#### **SECTION 2: Hazards Identification**

## 2.1. Classification of the substance or mixture

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

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## According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Acute Tox. 4 (oral) H302 Harmful if swallowed. Acute Tox. 4 (Inhalation - mist) H332 Harmful if inhaled.

STOT SE 3 H335 May cause respiratory irritation.

Repr. 2 H361d Suspected of damaging the unborn child. Repr. Additional category for H362 May cause harm to breast-fed children.

effects on or via lactation.

STOT RE 2 H373 May cause damage to organs (Liver, Gastrointestinal tract,

Nasal cavity) through prolonged or repeated exposure.

Aguatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

For the classifications not written out in full in this section the full text can be found in section 16.

#### 2.2. Label elements

#### According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

#### Pictogram:







## Signal Word: Warning

#### Hazard Statement:

H302 Harmful if swallowed. H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H361d Suspected of damaging the unborn child. H362 May cause harm to breast-fed children.

H373 May cause damage to organs (Liver, Gastrointestinal tract, Nasal

cavity) through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

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

instructions for use.

#### **Precautionary Statement:**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

## Precautionary Statements (Prevention):

time to time.

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P271	Use only outdoors or in a well-ventilated area	

P202 Do not handle until all safety precautions have been read and

understood.

P270 Do not eat, drink or smoke when using this product.
P264 Wash contaminated body parts thoroughly after handling.
P263 Avoid contact during pregnancy and while nursing.

P260 Do not breathe mist.

#### Precautionary Statements (Response):

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for

breathing.

P308 + P311 IF exposed or concerned: Call a POISON CENTER or physician.

P312 Call a POISON CENTER or physician if you feel unwell.

P330 Rinse mouth. P391 Collect spillage.

#### Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

## Precautionary Statements (Disposal):

P501 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.

Labeling of special preparations (GHS):

EUH208: May produce an allergic reaction. Contains: 2-ethylhexyl-S-lactate

Hazard determining component(s) for labelling: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate, Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-, N,N-Dimethyldodecanamide

#### 2.3. Other hazards

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

## **SECTION 3: Composition/Information on Ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

time to time.

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## Chemical nature

crop protection product, fungicide

## Hazardous ingredients (GHS)

pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-

methoxy)carbamate

Content (W/W): 13.9 % Acute Tox. 3 (Inhalation - mist)

CAS Number: 175013-18-0 Acute Tox. 4 (oral)

INDEX-Number: 613-272-00-6 Skin Irrit. 2

Repr. 2 (unborn child)

STOT SE 3 (irr. to respiratory syst.)

STOT RE (Liver, Nasal cavity, Gastrointestinal

tract) 2

Aquatic Acute 1 Aquatic Chronic 1 M-factor acute: 100 M-factor chronic: 100

H315, H331, H302, H335, H361d, H373, H400,

H410

Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-

biphenyl]-2-yl)-

Content (W/W): 7.32 % Repr. Add. cat. lact. CAS Number: 907204-31-3 Aquatic Acute 1 Aquatic Chronic 1 M-factor acute: 1

M-factor chronic: 1 H362, H400, H410

2-ethylhexyl (2S)-2-hydroxypropanoate

Content (W/W): < 45 % Skin Irrit. 2 CAS Number: 186817-80-1 Eye Irrit. 2 REACH registration number: 01-Skin Sens. 1B 2119516238-41 H319, H315, H317

N,N-Dimethyldodecanamide

time to time.

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Content (W/W): < 25 % Skin Irrit. 2 CAS Number: 3007-53-2 Eye Irrit. 2

EC-Number: 221-117-5 STOT SE 3 (irr. to respiratory syst.)

REACH registration number: 012120099180-57

Aquatic Acute 1
Aquatic Chronic 2
M-factor acute: 1

H319, H315, H335, H411, H400

Methyl-Oxirane, Blockpolymer with Oxirane, Monoisotridecyl ether

Content (W/W): < 15 % Eye Dam./Irrit. 2

CAS Number: 196823-11-7 H319

acetophenone

Content (W/W): < 15 % Acute Tox. 4 (oral)
CAS Number: 98-86-2 Eye Irrit. 2
EC-Number: 202-708-7 H319, H302

REACH registration number: 01-

2119533169-37

INDEX-Number: 606-042-00-1

Poly(oxy-1,2-ethanediyl), .alpha.-[tris(1-phenylethyl)phenyl]-.omega.-hydroxy-

Content (W/W): < 5 % Aguatic Chronic 3

CAS Number: 99734-09-5 H412

Hydrocarbons, C10-C13, aromatics, < 1% naphthalen

Content (W/W): < 5 % Asp. Tox. 1 REACH registration number: 01- Aquatic Chronic 2 2119451097-39 H304, H411 EUH066

Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts

Content (W/W): < 3 % Acute Tox. 4 (dermal)

CAS Number: 68953-96-8 Skin Irrit. 2 EC-Number: 273-234-6 Eye Dam. 1 REACH registration number: 01- Aquatic Chr

REACH registration number: 01- Aquatic Chronic 2 2119964467-24 H318, H315, H312, H411

Alcohols, C11-14-iso-, C13-rich, ethoxylated

Content (W/W): < 3 % Eye Dam. 1 CAS Number: 78330-21-9 Aquatic Chronic 3 H318, H412

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For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

#### **SECTION 4: First-Aid Measures**

## 4.1. Description of first aid measures

Show container, label and/or safety data sheet to physician.

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Wash thoroughly with soap and water

On contact with eves:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Hazards: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. (Further) symptoms and / or effects are not known so far

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## **SECTION 5: Fire-Fighting Measures**

## 5.1. Extinguishing media

Suitable extinguishing media: water spray, dry powder, foam, carbon dioxide

## 5.2. Special hazards arising from the substance or mixture

Endangering substances: carbon monoxide, Carbon dioxide, hydrogen chloride, hydrogen fluoride, nitrogen oxides, sulfur oxides, halogenated compounds, organochloric compounds, potassium oxides

Advice: The substances/groups of substances mentioned can be released in case of fire.

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#### 5.3. Advice for fire-fighters

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

#### Further information:

Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

#### **SECTION 6: Accidental Release Measures**

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

Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

## 6.2. Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Do not allow contamination of public drains or surface or ground waters. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.

#### 6.3. Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Wear suitable protective equipment.

#### 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

## **SECTION 7: Handling and Storage**

#### 7.1. Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

## 7.2. Conditions for safe storage, including any incompatibilities

time to time.

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Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

#### 7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

## **SECTION 8: Exposure Controls/Personal Protection**

## 8.1. Control parameters

Components with occupational exposure limits

175013-18-0: pyraclostrobin (ISO)

TWA value 0.13 mg/m3 (BASF recomm. occupational exposure limit)

907204-31-3: 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluorobiphenyl-2-yl)pyrazole-4-carboxamide;

fluxapyroxad

TWA value 0.5 mg/m3 (BASF recomm. occupational exposure limit)

Refer to the current edition of HSE Guidance Note EH40 Occupational Exposure Limits (United Kingdom). For normal use and handling refer to the product label/leaflet.

#### 8.2. Exposure controls

#### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (e. g. EN 14387 Type ABEK-P3)

#### Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

time to time.

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## **SECTION 9: Physical and Chemical Properties**

## 9.1. Information on basic physical and chemical properties

Form: liquid
Colour: orange
Odour: sweetish

Odour threshold:

pH value:

Not determined since harmful by

inhalation. approx. 4 - 6 (1 %(m), 20 °C)

crystallization temperature: approx. < 20 °C Boiling point: approx. > 100 °C

approx. > 100 °C Information applies to the solvent.

Flash point: 99.5 °C

Flammability: hardly combustible

Lower explosion limit:

As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with

the intended use.

Upper explosion limit:

As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with

the intended use.

Ignition temperature: 351 °C

Vapour pressure: approx. 0.02 mbar

(20 °C)

Information applies to the solvent.

Density: approx. 1.02 g/cm3

(20 °C)

Relative vapour density (air):

not determined

Solubility in water: dispersible

Partitioning coefficient n-octanol/water (log Kow):

not applicable for mixtures

Thermal decomposition: 140 °C, 90 J/g,

(onset temperature) 255 °C, 220 J/g, (onset temperature)

Not a substance liable to self-decomposition according to UN transport

regulations, class 4.1.

Viscosity, dynamic: approx. 43 mPa.s

(20 °C)

time to time.

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approx. 1.9 mPa.s

(40 °C)

Viscosity, kinematic: approx. 4.2 mm2/s

(20 °C)

approx. 1.9 mm2/s

(40°C)

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

#### 9.2. Other information

SADT: > 75 °C

Heat accumulation / Dewar 500 ml (SADT, UN-Test H.4, 28.4.4)

Grain size distribution: The substance / product is marketed or used in a non solid or

granular form.

Other Information:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

## **SECTION 10: Stability and Reactivity**

#### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

#### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

## 10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

#### 10.4. Conditions to avoid

See SDS section 7 - Handling and storage.

## 10.5. Incompatible materials

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

## 10.6. Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

## **SECTION 11: Toxicological Information**

## 11.1. Information on toxicological effects

Acute toxicity

time to time.

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#### Assessment of acute toxicity:

Of moderate toxicity after single ingestion. Of moderate toxicity after short-term inhalation. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Experimental/calculated data:

LD50 rat (oral): 500 - 2,000 mg/kg (OECD Guideline 423)

LC50 rat (by inhalation): 2.3 - 4.8 mg/l (OECD Guideline 403)

LD50 rat (dermal): > 5,000 mg/kg (OECD Guideline 402) No mortality was observed.

#### Irritation

#### Assessment of irritating effects:

Not irritating to eyes and skin. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Experimental/calculated data:

Skin corrosion/irritation

rabbit: non-irritant (OECD Guideline 404)

#### Serious eye damage/irritation

rabbit: non-irritant (OECD Guideline 405)

#### Respiratory/Skin sensitization

#### Assessment of sensitization:

No sensitizing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Experimental/calculated data:

Mouse Local Lymph Node Assay (LLNA) mouse: Non-sensitizing. (OECD Guideline 429)

## Germ cell mutagenicity

## Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

## Carcinogenicity

#### Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

time to time.

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Information on: Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests. The effect is caused by an animal specific mechanism that has no human counter part.

Information on: Solvent naphtha (petroleum), heavy arom.

Assessment of carcinogenicity:

Long-term exposure to highly irritating concentrations resulted in skin tumors in animals. A carcinogenic effect in humans can be excluded after brief skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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#### Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

 $Information \ on: Flux apyrox ad \ (ISO); \ 1H-Pyrazole-4-carbox amide, \ 3-(difluor omethyl)-1-methyl-N-(3',4',5'-trifluor o[1,1'-biphenyl]-2-yl)-$ 

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect.

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#### Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: N,N-Dimethyldodecanamide

Assessment of teratogenicity:

The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

 $\label{local-equation} Information on: pyraclostrobin (ISO); methyl $N-\{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]$ phenyl$ (N-methoxy)$ carbamate$ 

Assessment of teratogenicity:

Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

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## Specific target organ toxicity (single exposure)

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

time to time.

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Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs. Target organs: Liver, gastrointestinal tract and nasal cavity

Information on: Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-

Assessment of repeated dose toxicity:

Adaptive effects were observed after repeated exposure in animal studies.

Information on: 2-ethylhexyl (2S)-2-hydroxypropanoate

Assessment of repeated dose toxicity:

After repeated exposure the prominent effect is local irritation.

Information on: N,N-Dimethyldodecanamide Assessment of repeated dose toxicity:

After repeated exposure the prominent effect is local irritation. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

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#### Aspiration hazard

not applicable

#### Other relevant toxicity information

Misuse can be harmful to health.

time to time.

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## **SECTION 12: Ecological Information**

## 12.1. Toxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

 $\label{local-equation} In formation on: pyraclostrobin (ISO); methyl $N-\{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]$ phenyl$ (N-methoxy)$ carbamate$ 

Toxicity to fish:

LC50 (96 h) 0.00616 mg/l, Oncorhynchus mykiss (EPA 72-1, Flow through.)

Information on: Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-

Toxicity to fish:

LC50 (96 h) 0.29 mg/l, Cyprinus carpio (Fish test acute, semistatic)

LC50 (96 h) 0.546 mg/l, Oncorhynchus mykiss (OECD Guideline 203, static)

LC50 (96 h) 1.15 mg/l, Lepomis macrochirus (OECD Guideline 203, static)

LC50 (96 h) 0.466 mg/l, Pimephales promelas (OECD Guideline 203, static)

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 $Information \ on: pyraclostrobin \ (ISO); \ methyl \ N-\{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl\} (N-methoxy) carbamate$ 

Aquatic invertebrates:

EC50 (48 h) 0.0157 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

EC50 (96 h) 0.00416 mg/l, Americamysis bahia

Information on: Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-

Aquatic invertebrates:

EC50 (48 h) 6.78 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

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Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate Aquatic plants:

EC10 (7 d) 0.82 mg/l (growth rate), Lemna gibba

EC50 (7 d) > 1.007 mg/l (growth rate), Lemna gibba

EC50 (72 h) 0.011 mg/l (growth rate), Navicula pelliculosa

Information on: Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-

time to time.

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#### Aquatic plants:

EC50 (72 h) 0.70 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201)

EC50 (96 h) 0.66 mg/l (growth rate), Pseudokirchneriella subcapitata

EC10 (72 h) 0.31 mg/l (growth rate), Pseudokirchneriella subcapitata

EC10 (96 h) 0.36 mg/l (growth rate), Pseudokirchneriella subcapitata

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 $\label{local-equation} Information on: pyraclostrobin (ISO); methyl N-\{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl\}(N-methoxy) carbamate$ 

Chronic toxicity to fish:

No observed effect concentration (98 d) approx. 0.00235 mg/l, Oncorhynchus mykiss (OECD Guideline 210, Flow through.)

Information on: Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-

Chronic toxicity to fish:

No observed effect concentration (33 d) 0.0359 mg/l, Pimephales promelas (OECD Guideline 210, Flow through.)

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Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d) 0.004 mg/l, Daphnia magna (OECD Guideline 202, part 2, semistatic)

The details of the toxic effect relate to the nominal concentration.

No observed effect concentration (31 d) 0.000365 mg/l, Mysidopsis bahia

Information on: Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d) 0.5 mg/l, Daphnia magna (OECD Guideline 211, semistatic)

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## 12.2. Persistence and degradability

Assessment biodegradation and elimination (H2O):

The product has not been tested. The statement has been derived from the properties of the individual components.

 $Information \ on: \ pyraclostrobin \ (ISO); \ methyl \ N-\{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl\} (N-methoxy) carbamate$ 

Assessment biodegradation and elimination (H2O):

Not readily biodegradable (by OECD criteria).

Information on: Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-

time to time.

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Assessment biodegradation and elimination (H2O): Not readily biodegradable (by OECD criteria).

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#### 12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate Bioaccumulation potential:

Bioconcentration factor (BCF): 379 - 507, Oncorhynchus mykiss (OECD Guideline 305) Accumulation in organisms is not to be expected.

Information on: Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-Bioaccumulation potential:

Bioconcentration factor (BCF): 36 - 37 (28 d), Lepomis macrochirus (OECD Guideline 305) Does not accumulate in organisms.

## 12.4. Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-vloxymethyl]phenyl}(N-methoxy)carbamate

Assessment transport between environmental compartments:

Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Information on: Fluxapyroxad (ISO); 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-

Assessment transport between environmental compartments:

Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

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#### 12.5. Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

## 12.6. Other adverse effects

time to time.

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The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

## 12.7. Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

## **SECTION 13: Disposal Considerations**

#### 13.1. Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## **SECTION 14: Transport Information**

## **Land transport**

ADR

UN number or ID number: UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains PYRACLOSTROBIN, FLUXAPYROXAD)

Transport hazard class(es): 9, EHSM

Packing group: III Environmental hazards: yes

Special precautions for

user: None known

RID

UN number or ID number: UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains PYRACLOSTROBIN, FLUXAPYROXAD)

Transport hazard class(es): 9, EHSM

time to time.

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Ш Packing group: Environmental hazards: yes

Special precautions for None known

user:

## **Inland waterway transport**

ADN

UN number or ID number: UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains PYRACLOSTROBIN, FLUXAPYROXAD)

Transport hazard class(es): 9. EHSM

Packing group: Ш Environmental hazards: yes

Special precautions for None known

user:

#### Transport in inland waterway vessel

Not evaluated

## Sea transport

**IMDG** 

UN number or ID number: UN 3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains PYRACLOSTROBIN, FLUXAPYROXAD)

Transport hazard class(es): 9, EHSM

Packing group: Ш Environmental hazards: yes

Marine pollutant: YES

Special precautions for

user:

## Air transport

IATA/ICAO

UN number or ID number: UN 3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains PYRACLOSTROBIN, FLUXAPYROXAD)

Transport hazard class(es): 9, EHSM

Packing group:

Ш ves

Environmental hazards: Special precautions for

None known

user:

time to time.

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#### 14.1. UN number or ID number

See corresponding entries for "UN number or ID number" for the respective regulations in the tables above.

## 14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

#### 14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

#### 14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

## 14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

## 14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

#### 14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

#### **Further information**

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 L or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375; IMDG: 2.10.2.7; IATA: A197; TDG: Special Provision 99(2); 49CFR: §171.4 (c) (2) and also the Special Provision 375 in Appendix B which is regulated in China "Regulations Concerning Road Transportation of Dangerous Goods Part 3: Index of dangerous goods name and transportation requirements" (JT/T 617.3)

This product is subject to the most recent edition of "The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations" and their amendments (United Kingdom).

#### **SECTION 15: Regulatory Information**

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

Prohibitions, Restrictions and Authorizations

UK REACH SI, Annex XVII, Marketing and Use Restrictions Number on List: 3

time to time.

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Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):

List entry in regulation: E1

Classification applies for standard conditions of temperature and pressure.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

This product is classified under the European CLP Regulation. (United Kingdom)

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

This product may be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments if specific threshold tonnages are exceeded (United Kingdom).

#### **SECTION 16: Other Information**

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned

in section 2 or 3:

Acute Tox. Acute toxicity

STOT SE Specific target organ toxicity — single exposure

Repr. Reproductive toxicity

STOT RE Specific target organ toxicity — repeated exposure
Aquatic Acute Hazardous to the aquatic environment - acute
Aquatic Chronic Hazardous to the aquatic environment - chronic

Skin Irrit. Skin irritation
Eye Irrit. Eye irritation
Skin Sens. Skin sensitization

Eye Dam./Irrit. Serious eye damage/eye irritation

Asp. Tox. Aspiration hazard
Eye Dam. Serious eye damage
H302 Harmful if swallowed.
H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H361d Suspected of damaging the unborn child. H362 May cause harm to breast-fed children.

H373 May cause damage to organs (Liver, Gastrointestinal tract, Nasal cavity)

through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

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

instructions for use.

H315 Causes skin irritation. H331 Toxic if inhaled.

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H400	Very toxic to aquatic life.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H312	Harmful in contact with skin.
EUH066	Repeated exposure may cause skin dryness or cracking.

#### Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships, NEN = Dutch Norm, NOEC = No Observed Effect Concentration, OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.